

## SECTION 3

# FILTER D-SUB CONNECTORS

At increasing data transfer rates and operating frequencies it becomes increasingly important to safeguard the function of electrical devices and systems in their interactive relationship so that operation can be free of interference. This is also the clear objective of the EMC law.

In applications where connectors penetrate shielded enclosures commonly represent a breakdown in shielding since the connector's plastic isolating body provides no shielding against any interference signals that may be present.

Therefore high frequency interference signals can be passed in or out of the system without hindrance.

The connector's contacts act as antennas that receive and transmit interference signals because filtering is typically implemented on the PCB board.

Interface connectors with integrated filters can be of benefit in these cases.

CONEC filter D-subminiature connectors contribute to the protection of EMC zones. The integrated filter inside the connector saves PCB-space and can be installed into an existing PCB layout. To replace an unfiltered connector into filtered one is simple and effective.

One of the standard filters offered by CONEC is the so-called "C filter".

Depending on the problem situations, other possible variations can be employed; a two-stage LC filter and a three stage PI filter (C-L-C) are also available in various connector configurations within the standard product line.





In some cases EMC problems do not become apparent until after a device has been put into service where it is exposed to interference in its installed location. Ambient conditions and the device influence one another mutually. Where EMC problems arise under certain operating conditions, CONEC's broad product line of standardized D-SUB filter adapters with a myriad of filter capacities and different filter technologies represents a quick and effective solution.

Retrofit to the existing D-SUB interface connector, this can prove to be the solution to many different EMC problems.

The CONEC team will be glad to help you select the right product.



# PART NUMBER CREATOR

2 4 1 A 1011 O X

**Product Line**

**Design**

- 1 = Plug connector, standard DWV
- 2 = Socket connector, standard DWV
- 3 = Adapter, standard DWV
- 4 = Adapter, high DWV
- 5 = Plug connector, high DWV
- 6 = Socket connector, high DWV
- 7\* = Plug connector, ultra high DWV
- 8\* = Socket connector, ultra high DWV
- 9\* = Adapter, ultra high DWV

\*on request

**Quality class for contacts**

- A = Quality class 3 / 50 mating cycles
- B = Quality class 2 / 200 mating cycles
- C = Quality class 1 / 500 mating cycles

**Serial number**

**Design**

- OX = Standard design

**Filter connectors for higher DWV**

Increasing requirements, with respect to higher DWV for filter connectors, have induced us to carry out advanced development in this direction. CONEC is capable of delivering filter connectors with DWV of 1500 VDC.

The various DWV ratings are as follows:

- 1 Standard DWV .....300/424 VDC
- 2 High DWV.....707 VDC
- 3 Ultra high DWV.....1000/1500 VDC (on request)

Furthermore, the filter connector can be designed for ultra high DWV of up to 2500 VDC at 10/700 pulse voltage. Filter connectors so designed fulfill the standards established according to CE requirements, i.e. 1414 VDC. For example, capacity ratings range from 180 pF to 1300 pF for standard series.

For special capacitance values consult factory.

# TECHNICAL DATA

Materials	Filter D-SUB Standard 9, 15, 25, 37 and 50 position	Filter D-SUB High Density 15, 25, 44, 62 and 78 position		
Insulator	Polyester GF UL94 V-0			
Contacts	CU alloy			
Contact plating	Gold plated over nickel, solder area tin plated only at PCB version			
Shell	Steel tin plated (on request: brass tin plated)			
Mechanical and electrical characteristics				
Dielectric with standing voltage	<ul style="list-style-type: none"> <li>• Standard 424 VDC</li> <li>• Standard 300 VDC (for .T-Filter)</li> <li>• High DWV 707 VDC</li> <li>• Ultra high DWV 1500 VDC*</li> <li>• Ultra high DWV 1000 VDC* (for .T-Filter) *on request</li> </ul>	<ul style="list-style-type: none"> <li>• Standard 300 VDC</li> </ul>		
Working voltage	<ul style="list-style-type: none"> <li>• Standard 100 VDC*</li> <li>• High DWV 100 VDC*</li> <li>• Ultra high DWV 200 VDC*</li> </ul> *Depending on isolation coordination (refer to DIN VDE 0110/IEC 664-1)	<ul style="list-style-type: none"> <li>• Standard 100 VDC*</li> </ul>		
Contact resistance	Max. 10 mΩ prior to stressing, Δ R max. 10 mΩ after stressing per DIN 41652, Part 2			
Insulation resistance	≥ 1GΩ			
Current rating	7.5 A (UL) / 5 A (CSA,VDE)	3 A (UL,VDE) / 2.5 A (CSA)		
Voltage surge 10/700μs	Standard 300 V High Voltage 500 V	Standard 300 V		
Mating and unmating forces	9 pos. ≤ 30 N 15 pos. ≤ 50 N 25 pos. ≤ 83 N 37 pos. ≤ 123 N 50 pos. ≤ 167 N	15 pos. ≤ 50 N 26 pos. ≤ 83 N 44 pos. ≤ 110 N 62 pos. ≤ 170 N		
Temperature working range	-25°C to +105°C	-25°C to +85°C		
Humidity	40°C / 85% relative humidity/RH			
Capacitor values For other capacitance values please contact the factory.	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance 1300 pF ± 20% tolerance other capacitor values on request	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance		
Quality class	A= Quality class 3 = 50 cycles, B = Quality class 2=200 cycles, C = Quality class 1 = 500 cycles			
Solder parameter	Preheating		Solder terminal dipping parameters	
	max. Temperature	Duration	max. Solder bath Temperature	max. Terminal Immersion Time
Recommended wave-solder parameters	100°C	30s	260°C	5s

Technical specifications are subject to change without notice.

# C-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 26

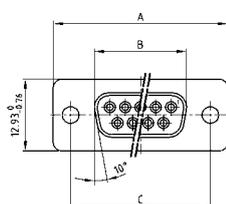


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

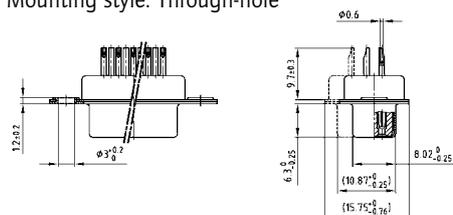
- Suitable for wire size AWG 26
- Mounting styles:
  - with through-hole,  $\varnothing .118"/3 \text{ mm}$
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

## SOCKET CONNECTOR

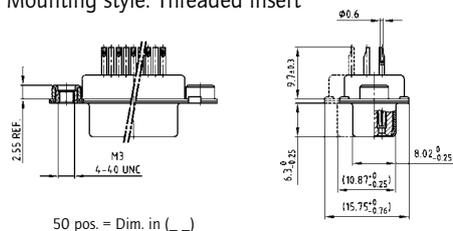


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 $\pm 0.13$
37	69.70	54.96	63.50 $\pm 0.13$
50	67.31	52.55	61.10 $^{+0.14}_{-0.11}$

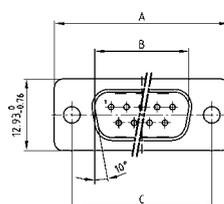
Mounting style: Through-hole



Mounting style: Threaded insert

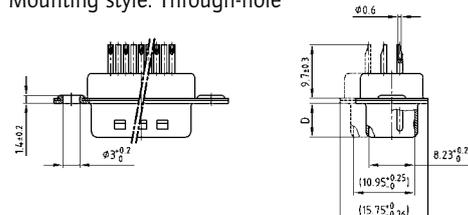


## PLUG CONNECTOR

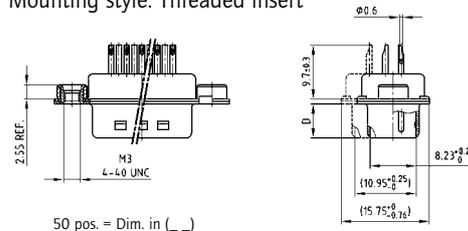


No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 $\pm 0.13$	5.99
37	69.70	55.30	63.50 $\pm 0.13$	5.99
50	67.31	52.68	61.10 $^{+0.14}_{-0.11}$	5.99

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242A15910X
15	Through-hole	242A15920X
25	Through-hole	242A15930X
37	Through-hole	242A15940X
50	Through-hole	242A15950X
09	4-40 UNC Threaded insert	242A15960X
15	4-40 UNC Threaded insert	242A15970X
25	4-40 UNC Threaded insert	242A15980X
37	4-40 UNC Threaded insert	242A15990X
50	4-40 UNC Threaded insert	242A16000X
09	M3 Threaded insert	242A16010X
15	M3 Threaded insert	242A16020X
25	M3 Threaded insert	242A16030X
37	M3 Threaded insert	242A16040X
50	M3 Threaded insert	242A16050X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241A18530X
15	Through-hole	241A18540X
25	Through-hole	241A18550X
37	Through-hole	241A18560X
50	Through-hole	241A18570X
09	4-40 UNC Threaded insert	241A18580X
15	4-40 UNC Threaded insert	241A18590X
25	4-40 UNC Threaded insert	241A18600X
37	4-40 UNC Threaded insert	241A18610X
50	4-40 UNC Threaded insert	241A18620X
09	M3 Threaded insert	241A18630X
15	M3 Threaded insert	241A18640X
25	M3 Threaded insert	241A18650X
37	M3 Threaded insert	241A18660X
50	M3 Threaded insert	241A18670X

# C-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 26

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A11610X	09	Through-hole	241A11600X
15	Through-hole	242A11620X	15	Through-hole	241A11610X
25	Through-hole	242A11630X	25	Through-hole	241A11620X
37	Through-hole	242A11640X	37	Through-hole	241A11630X
50	Through-hole	242A15820X	50	Through-hole	241A15930X
09	4-40 UNC Threaded insert	242A11730X	09	4-40 UNC Threaded insert	241A11720X
15	4-40 UNC Threaded insert	242A11740X	15	4-40 UNC Threaded insert	241A11730X
25	4-40 UNC Threaded insert	242A11750X	25	4-40 UNC Threaded insert	241A11740X
37	4-40 UNC Threaded insert	242A11760X	37	4-40 UNC Threaded insert	241A11750X
50	4-40 UNC Threaded insert	242A15850X	50	4-40 UNC Threaded insert	241A15960X
09	M3 Threaded insert	242A11850X	09	M3 Threaded insert	241A11840X
15	M3 Threaded insert	242A11860X	15	M3 Threaded insert	241A11850X
25	M3 Threaded insert	242A11870X	25	M3 Threaded insert	241A11860X
37	M3 Threaded insert	242A11880X	37	M3 Threaded insert	241A11870X
50	M3 Threaded insert	242A15880X	50	M3 Threaded insert	241A15990X

**Capacitance 830 pF**

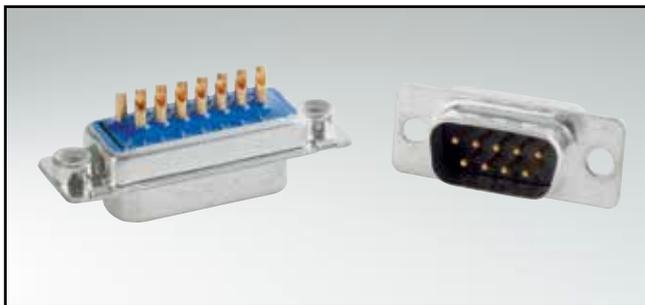
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A11690X	09	Through-hole	241A11680X
15	Through-hole	242A11700X	15	Through-hole	241A11690X
25	Through-hole	242A11710X	25	Through-hole	241A11700X
37	Through-hole	242A11720X	37	Through-hole	241A11710X
50	Through-hole	242A15840X	50	Through-hole	241A15950X
09	4-40 UNC Threaded insert	242A11810X	09	4-40 UNC Threaded insert	241A11800X
15	4-40 UNC Threaded insert	242A11820X	15	4-40 UNC Threaded insert	241A11810X
25	4-40 UNC Threaded insert	242A11830X	25	4-40 UNC Threaded insert	241A11820X
37	4-40 UNC Threaded insert	242A11840X	37	4-40 UNC Threaded insert	241A11830X
50	4-40 UNC Threaded insert	242A15870X	50	4-40 UNC Threaded insert	241A15980X
09	M3 Threaded insert	242A11930X	09	M3 Threaded insert	241A11920X
15	M3 Threaded insert	242A11940X	15	M3 Threaded insert	241A11930X
25	M3 Threaded insert	242A11950X	25	M3 Threaded insert	241A11940X
37	M3 Threaded insert	242A11960X	37	M3 Threaded insert	241A11950X
50	M3 Threaded insert	242A15900X	50	M3 Threaded insert	241A16010X

**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A11650X	09	Through-hole	241A11640X
15	Through-hole	242A11660X	15	Through-hole	241A11650X
25	Through-hole	242A11670X	25	Through-hole	241A11660X
37	Through-hole	242A11680X	37	Through-hole	241A11670X
50	Through-hole	242A15830X	50	Through-hole	241A15940X
09	4-40 UNC Threaded insert	242A11770X	09	4-40 UNC Threaded insert	241A11760X
15	4-40 UNC Threaded insert	242A11780X	15	4-40 UNC Threaded insert	241A11770X
25	4-40 UNC Threaded insert	242A11790X	25	4-40 UNC Threaded insert	241A11780X
37	4-40 UNC Threaded insert	242A11800X	37	4-40 UNC Threaded insert	241A11790X
50	4-40 UNC Threaded insert	242A15860X	50	4-40 UNC Threaded insert	241A15970X
09	M3 Threaded insert	242A11890X	09	M3 Threaded insert	241A11880X
15	M3 Threaded insert	242A11900X	15	M3 Threaded insert	241A11890X
25	M3 Threaded insert	242A11910X	25	M3 Threaded insert	241A11900X
37	M3 Threaded insert	242A11920X	37	M3 Threaded insert	241A11910X
50	M3 Threaded insert	242A15890X	50	M3 Threaded insert	241A16000X

# C-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 20

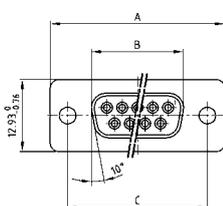


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

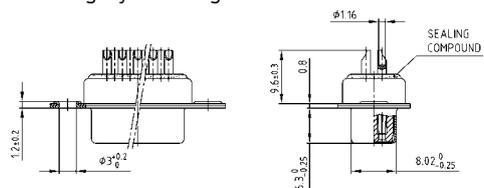
- Suitable for wire size AWG 20
- Mounting styles:
  - with through-hole,  $\varnothing .118"/3 \text{ mm}$
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

## SOCKET CONNECTOR

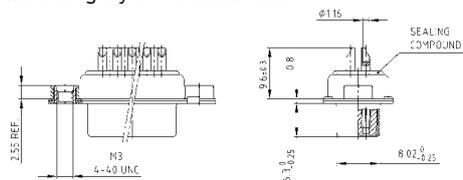


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 $\pm 0.13$
37	69.70	54.96	63.50 $\pm 0.13$

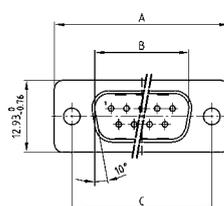
Mounting style: Through-hole



Mounting style: Threaded insert

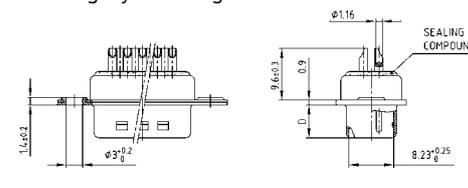


## PLUG CONNECTOR

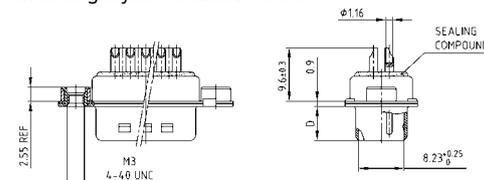


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 $\pm 0.13$	5.99
37	69.70	55.30	63.50 $\pm 0.13$	5.99

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242A26740X
15	Through-hole	242A26750X
25	Through-hole	242A26760X
37	Through-hole	242A26770X
09	4-40 UNC Threaded insert	242A26900X
15	4-40 UNC Threaded insert	242A26910X
25	4-40 UNC Threaded insert	242A26920X
37	4-40 UNC Threaded insert	242A26930X
09	M3 Threaded insert	242A27060X
15	M3 Threaded insert	242A27070X
25	M3 Threaded insert	242A27080X
37	M3 Threaded insert	242A27090X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241A26840X
15	Through-hole	241A26850X
25	Through-hole	241A26860X
37	Through-hole	241A26870X
09	4-40 UNC Threaded insert	241A27000X
15	4-40 UNC Threaded insert	241A27010X
25	4-40 UNC Threaded insert	241A27020X
37	4-40 UNC Threaded insert	241A27030X
09	M3 Threaded insert	241A27160X
15	M3 Threaded insert	241A27170X
25	M3 Threaded insert	241A27180X
37	M3 Threaded insert	241A27190X

# C-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 20

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A26780X	09	Through-hole	241A26880X
15	Through-hole	242A26790X	15	Through-hole	241A26890X
25	Through-hole	242A26800X	25	Through-hole	241A26900X
37	Through-hole	242A26810X	37	Through-hole	241A26910X
09	4-40 UNC Threaded insert	242A26940X	09	4-40 UNC Threaded insert	241A27040X
15	4-40 UNC Threaded insert	242A26950X	15	4-40 UNC Threaded insert	241A27050X
25	4-40 UNC Threaded insert	242A26960X	25	4-40 UNC Threaded insert	241A27060X
37	4-40 UNC Threaded insert	242A26970X	37	4-40 UNC Threaded insert	241A27070X
09	M3 Threaded insert	242A27100X	09	M3 Threaded insert	241A27200X
15	M3 Threaded insert	242A27110X	15	M3 Threaded insert	241A27210X
25	M3 Threaded insert	242A27120X	25	M3 Threaded insert	241A27220X
37	M3 Threaded insert	242A27130X	37	M3 Threaded insert	241A27230X

**Capacitance 830 pF**

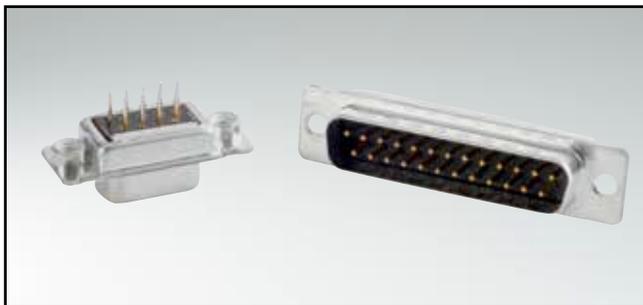
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A26820X	09	Through-hole	241A26920X
15	Through-hole	242A26830X	15	Through-hole	241A26930X
25	Through-hole	242A26840X	25	Through-hole	241A26940X
37	Through-hole	242A26850X	37	Through-hole	241A26950X
09	4-40 UNC Threaded insert	242A26980X	09	4-40 UNC Threaded insert	241A27080X
15	4-40 UNC Threaded insert	242A26990X	15	4-40 UNC Threaded insert	241A27090X
25	4-40 UNC Threaded insert	242A27000X	25	4-40 UNC Threaded insert	241A27100X
37	4-40 UNC Threaded insert	242A27010X	37	4-40 UNC Threaded insert	241A27110X
09	M3 Threaded insert	242A27140X	09	M3 Threaded insert	241A27240X
15	M3 Threaded insert	242A27150X	15	M3 Threaded insert	241A27250X
25	M3 Threaded insert	242A27160X	25	M3 Threaded insert	241A27260X
37	M3 Threaded insert	242A27170X	37	M3 Threaded insert	241A27270X

**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A26860X	09	Through-hole	241A26960X
15	Through-hole	242A26870X	15	Through-hole	241A26970X
25	Through-hole	242A26880X	25	Through-hole	241A26980X
37	Through-hole	242A26890X	37	Through-hole	241A26990X
09	4-40 UNC Threaded insert	242A27020X	09	4-40 UNC Threaded insert	241A27120X
15	4-40 UNC Threaded insert	242A27030X	15	4-40 UNC Threaded insert	241A27130X
25	4-40 UNC Threaded insert	242A27040X	25	4-40 UNC Threaded insert	241A27140X
37	4-40 UNC Threaded insert	242A27050X	37	4-40 UNC Threaded insert	241A27150X
09	M3 Threaded insert	242A27180X	09	M3 Threaded insert	241A27280X
15	M3 Threaded insert	242A27190X	15	M3 Threaded insert	241A27290X
25	M3 Threaded insert	242A27200X	25	M3 Threaded insert	241A27300X
37	M3 Threaded insert	242A27210X	37	M3 Threaded insert	241A27310X

# C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

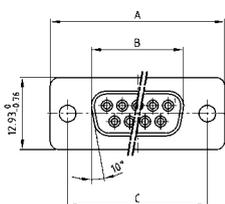


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with through-hole,  $\varnothing .118"/3 \text{ mm}$
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

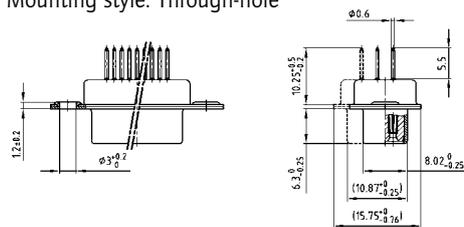
## SOCKET CONNECTOR



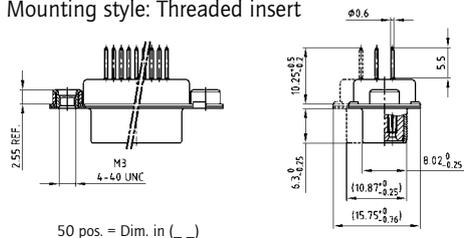
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 $\pm 0.13$
37	69.70	54.96	63.50 $\pm 0.13$
50	67.31	52.55	61.10 $^{+0.14}_{-0.11}$

PCB-Layout: Kat1kFUA

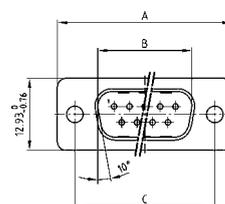
Mounting style: Through-hole



Mounting style: Threaded insert



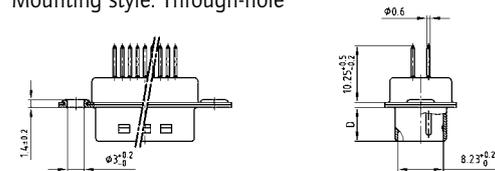
## PLUG CONNECTOR



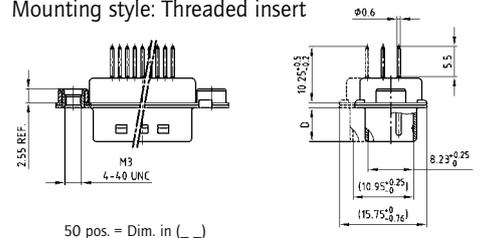
No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 $\pm 0.13$	5.99
37	69.70	55.30	63.50 $\pm 0.13$	5.99
50	67.31	52.68	61.10 $^{+0.14}_{-0.11}$	5.99

PCB-Layout: Kat1kFUA

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242A16060X
15	Through-hole	242A16070X
25	Through-hole	242A16080X
37	Through-hole	242A16090X
50	Through-hole	242A16100X
09	4-40 UNC Threaded insert	242A16110X
15	4-40 UNC Threaded insert	242A16120X
25	4-40 UNC Threaded insert	242A16130X
37	4-40 UNC Threaded insert	242A16140X
50	4-40 UNC Threaded insert	242A16150X
09	M3 Threaded insert	242A16160X
15	M3 Threaded insert	242A16170X
25	M3 Threaded insert	242A16180X
37	M3 Threaded insert	242A16190X
50	M3 Threaded insert	242A16200X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241A18680X
15	Through-hole	241A18690X
25	Through-hole	241A18700X
37	Through-hole	241A18710X
50	Through-hole	241A18720X
09	4-40 UNC Threaded insert	241A18730X
15	4-40 UNC Threaded insert	241A18740X
25	4-40 UNC Threaded insert	241A18750X
37	4-40 UNC Threaded insert	241A18760X
50	4-40 UNC Threaded insert	241A18770X
09	M3 Threaded insert	241A18780X
15	M3 Threaded insert	241A18790X
25	M3 Threaded insert	241A18800X
37	M3 Threaded insert	241A18810X
50	M3 Threaded insert	241A18820X

# C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A10010X	09	Through-hole	241A10010X
15	Through-hole	242A10020X	15	Through-hole	241A10020X
25	Through-hole	242A10030X	25	Through-hole	241A10030X
37	Through-hole	242A10040X	37	Through-hole	241A10040X
50	Through-hole	242A15580X	50	Through-hole	241A15690X
09	4-40 UNC Threaded insert	242A10130X	09	4-40 UNC Threaded insert	241A10130X
15	4-40 UNC Threaded insert	242A10140X	15	4-40 UNC Threaded insert	241A10140X
25	4-40 UNC Threaded insert	242A10150X	25	4-40 UNC Threaded insert	241A10150X
37	4-40 UNC Threaded insert	242A10160X	37	4-40 UNC Threaded insert	241A10160X
50	4-40 UNC Threaded insert	242A15610X	50	4-40 UNC Threaded insert	241A15720X
09	M3 Threaded insert	242A10250X	09	M3 Threaded insert	241A10250X
15	M3 Threaded insert	242A10260X	15	M3 Threaded insert	241A10260X
25	M3 Threaded insert	242A10270X	25	M3 Threaded insert	241A10270X
37	M3 Threaded insert	242A10280X	37	M3 Threaded insert	241A10280X
50	M3 Threaded insert	242A15640X	50	M3 Threaded insert	241A15750X

**Capacitance 830 pF**

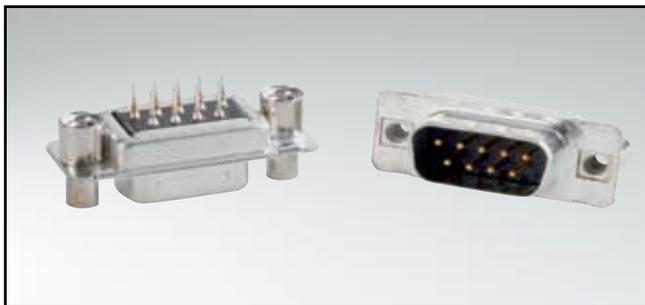
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A10090X	09	Through-hole	241A10090X
15	Through-hole	242A10100X	15	Through-hole	241A10100X
25	Through-hole	242A10110X	25	Through-hole	241A10110X
37	Through-hole	242A10120X	37	Through-hole	241A10120X
50	Through-hole	242A15600X	50	Through-hole	241A15710X
09	4-40 UNC Threaded insert	242A10210X	09	4-40 UNC Threaded insert	241A10210X
15	4-40 UNC Threaded insert	242A10220X	15	4-40 UNC Threaded insert	241A10220X
25	4-40 UNC Threaded insert	242A10230X	25	4-40 UNC Threaded insert	241A10230X
37	4-40 UNC Threaded insert	242A10240X	37	4-40 UNC Threaded insert	241A10240X
50	4-40 UNC Threaded insert	242A15630X	50	4-40 UNC Threaded insert	241A15740X
09	M3 Threaded insert	242A10330X	09	M3 Threaded insert	241A10330X
15	M3 Threaded insert	242A10340X	15	M3 Threaded insert	241A10340X
25	M3 Threaded insert	242A10350X	25	M3 Threaded insert	241A10350X
37	M3 Threaded insert	242A10360X	37	M3 Threaded insert	241A10360X
50	M3 Threaded insert	242A15660X	50	M3 Threaded insert	241A15770X

**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A10050X	09	Through-hole	241A10050X
15	Through-hole	242A10060X	15	Through-hole	241A10060X
25	Through-hole	242A10070X	25	Through-hole	241A10070X
37	Through-hole	242A10080X	37	Through-hole	241A10080X
50	Through-hole	242A15590X	50	Through-hole	241A15700X
09	4-40 UNC Threaded insert	242A10170X	09	4-40 UNC Threaded insert	241A10170X
15	4-40 UNC Threaded insert	242A10180X	15	4-40 UNC Threaded insert	241A10180X
25	4-40 UNC Threaded insert	242A10190X	25	4-40 UNC Threaded insert	241A10190X
37	4-40 UNC Threaded insert	242A10200X	37	4-40 UNC Threaded insert	241A10200X
50	4-40 UNC Threaded insert	242A15620X	50	4-40 UNC Threaded insert	241A15730X
09	M3 Threaded insert	242A10290X	09	M3 Threaded insert	241A10290X
15	M3 Threaded insert	242A10300X	15	M3 Threaded insert	241A10300X
25	M3 Threaded insert	242A10310X	25	M3 Threaded insert	241A10310X
37	M3 Threaded insert	242A10320X	37	M3 Threaded insert	241A10320X
50	M3 Threaded insert	242A15650X	50	M3 Threaded insert	241A15760X

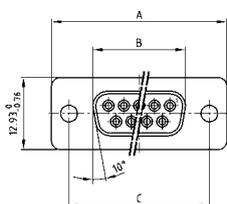
# C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

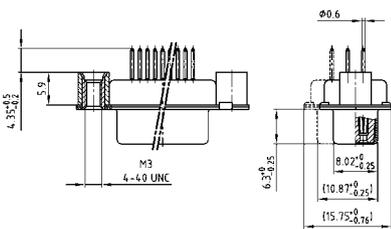
## SOCKET CONNECTOR



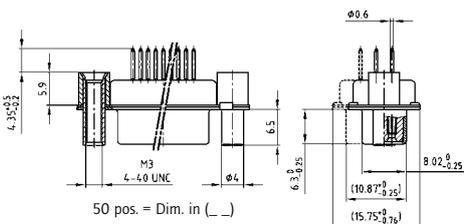
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup>
37	69.70	54.96	63.50 <sup>+0.13</sup>
50	67.31	52.55	61.10 <sup>+0.14</sup> <sub>-0.11</sub>

PCB-Layout: Kat1kFUA

Mounting style: Threaded rear spacer



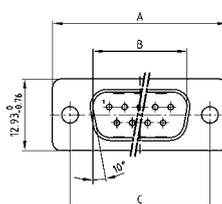
Mounting style: Threaded rear spacer, front spacer



## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded rear spacer
  - with 4-40 UNC or M3 front and threaded rear spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

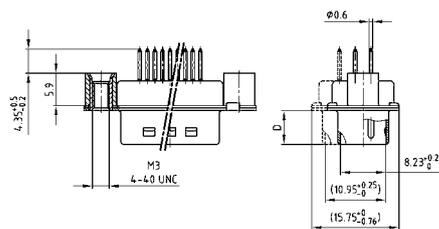
## PLUG CONNECTOR



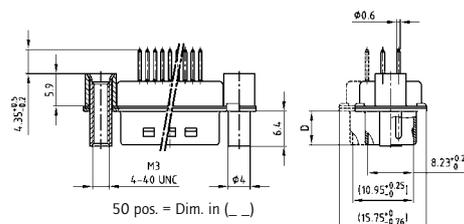
No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup>	5.99
50	67.31	52.68	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	5.99

PCB-Layout: Kat1kFUA

Mounting style: Threaded rear spacer



Mounting style: Threaded rear spacer, front spacer



## ORDER DATA

### Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242A16210X
15	4-40 UNC Threaded rear spacer	242A16220X
25	4-40 UNC Threaded rear spacer	242A16230X
37	4-40 UNC Threaded rear spacer	242A16240X
50	4-40 UNC Threaded rear spacer	242A16250X
09	M3 Threaded rear spacer	242A16260X
15	M3 Threaded rear spacer	242A16270X
25	M3 Threaded rear spacer	242A16280X
37	M3 Threaded rear spacer	242A16290X
50	M3 Threaded rear spacer	242A16300X
09	4-40 UNC Front / Threaded rear spacer	242A16310X
15	4-40 UNC Front / Threaded rear spacer	242A16320X
25	4-40 UNC Front / Threaded rear spacer	242A16330X
37	4-40 UNC Front / Threaded rear spacer	242A16340X
50	4-40 UNC Front / Threaded rear spacer	242A16350X
09	M3 Front / Threaded rear spacer	242A16360X
15	M3 Front / Threaded rear spacer	242A16370X
25	M3 Front / Threaded rear spacer	242A16380X
37	M3 Front / Threaded rear spacer	242A16390X
50	M3 Front / Threaded rear spacer	242A16400X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	241A18830X
15	4-40 UNC Threaded rear spacer	241A18840X
25	4-40 UNC Threaded rear spacer	241A18850X
37	4-40 UNC Threaded rear spacer	241A18860X
50	4-40 UNC Threaded rear spacer	241A18870X
09	M3 Threaded rear spacer	241A18880X
15	M3 Threaded rear spacer	241A18890X
25	M3 Threaded rear spacer	241A18900X
37	M3 Threaded rear spacer	241A18910X
50	M3 Threaded rear spacer	241A18920X
09	4-40 UNC Front / Threaded rear spacer	241A18930X
15	4-40 UNC Front / Threaded rear spacer	241A18940X
25	4-40 UNC Front / Threaded rear spacer	241A18950X
37	4-40 UNC Front / Threaded rear spacer	241A18960X
50	4-40 UNC Front / Threaded rear spacer	241A18970X
09	M3 Front / Threaded rear spacer	241A18980X
15	M3 Front / Threaded rear spacer	241A18990X
25	M3 Front / Threaded rear spacer	241A19000X
37	M3 Front / Threaded rear spacer	241A19010X
50	M3 Front / Threaded rear spacer	241A19020X

# C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

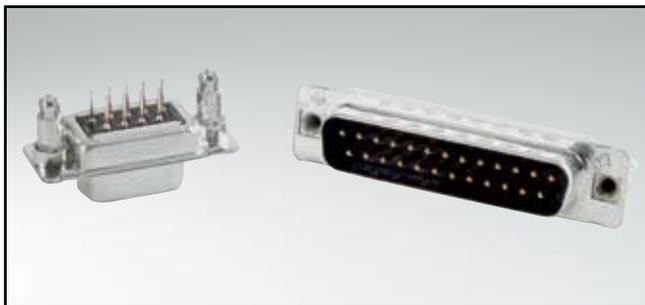
Capacitance 370 pF			Capacitance 370 pF		
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242A10370X	09	4-40 UNC Threaded rear spacer	241A10370X
15	4-40 UNC Threaded rear spacer	242A10380X	15	4-40 UNC Threaded rear spacer	241A10380X
25	4-40 UNC Threaded rear spacer	242A10390X	25	4-40 UNC Threaded rear spacer	241A10390X
37	4-40 UNC Threaded rear spacer	242A10400X	37	4-40 UNC Threaded rear spacer	241A10400X
50	4-40 UNC Threaded rear spacer	242A15670X	50	4-40 UNC Threaded rear spacer	241A15780X
09	M3 Threaded rear spacer	242A10490X	09	M3 Threaded rear spacer	241A10490X
15	M3 Threaded rear spacer	242A10500X	15	M3 Threaded rear spacer	241A10500X
25	M3 Threaded rear spacer	242A10510X	25	M3 Threaded rear spacer	241A10510X
37	M3 Threaded rear spacer	242A10520X	37	M3 Threaded rear spacer	241A10520X
50	M3 Threaded rear spacer	242A15700X	50	M3 Threaded rear spacer	241A15810X
09	4-40 UNC Front / Threaded rear spacer	242A10610X	09	4-40 UNC Front / Threaded rear spacer	241A10610X
15	4-40 UNC Front / Threaded rear spacer	242A10620X	15	4-40 UNC Front / Threaded rear spacer	241A10620X
25	4-40 UNC Front / Threaded rear spacer	242A10630X	25	4-40 UNC Front / Threaded rear spacer	241A10630X
37	4-40 UNC Front / Threaded rear spacer	242A10640X	37	4-40 UNC Front / Threaded rear spacer	241A10640X
50	4-40 UNC Front / Threaded rear spacer	242A15730X	50	4-40 UNC Front / Threaded rear spacer	241A15840X
09	M3 Front / Threaded rear spacer	242A10730X	09	M3 Front / Threaded rear spacer	241A10730X
15	M3 Front / Threaded rear spacer	242A10740X	15	M3 Front / Threaded rear spacer	241A10740X
25	M3 Front / Threaded rear spacer	242A10750X	25	M3 Front / Threaded rear spacer	241A10750X
37	M3 Front / Threaded rear spacer	242A10760X	37	M3 Front / Threaded rear spacer	241A10760X
50	M3 Front / Threaded rear spacer	242A15760X	50	M3 Front / Threaded rear spacer	241A15870X

Capacitance 830 pF			Capacitance 830 pF		
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242A10450X	09	4-40 UNC Threaded rear spacer	241A10450X
15	4-40 UNC Threaded rear spacer	242A10460X	15	4-40 UNC Threaded rear spacer	241A10460X
25	4-40 UNC Threaded rear spacer	242A10470X	25	4-40 UNC Threaded rear spacer	241A10470X
37	4-40 UNC Threaded rear spacer	242A10480X	37	4-40 UNC Threaded rear spacer	241A10480X
50	4-40 UNC Threaded rear spacer	242A15690X	50	4-40 UNC Threaded rear spacer	241A15800X
09	M3 Threaded rear spacer	242A10570X	09	M3 Threaded rear spacer	241A10570X
15	M3 Threaded rear spacer	242A10580X	15	M3 Threaded rear spacer	241A10580X
25	M3 Threaded rear spacer	242A10590X	25	M3 Threaded rear spacer	241A10590X
37	M3 Threaded rear spacer	242A10600X	37	M3 Threaded rear spacer	241A10600X
50	M3 Threaded rear spacer	242A15720X	50	M3 Threaded rear spacer	241A15830X
09	4-40 UNC Front / Threaded rear spacer	242A10690X	09	4-40 UNC Front / Threaded rear spacer	241A10690X
15	4-40 UNC Front / Threaded rear spacer	242A10700X	15	4-40 UNC Front / Threaded rear spacer	241A10700X
25	4-40 UNC Front / Threaded rear spacer	242A10710X	25	4-40 UNC Front / Threaded rear spacer	241A10710X
37	4-40 UNC Front / Threaded rear spacer	242A10720X	37	4-40 UNC Front / Threaded rear spacer	241A10720X
50	4-40 UNC Front / Threaded rear spacer	242A15750X	50	4-40 UNC Front / Threaded rear spacer	241A15860X
09	M3 Front / Threaded rear spacer	242A10810X	09	M3 Front / Threaded rear spacer	241A10810X
15	M3 Front / Threaded rear spacer	242A10820X	15	M3 Front / Threaded rear spacer	241A10820X
25	M3 Front / Threaded rear spacer	242A10830X	25	M3 Front / Threaded rear spacer	241A10830X
37	M3 Front / Threaded rear spacer	242A10840X	37	M3 Front / Threaded rear spacer	241A10840X
50	M3 Front / Threaded rear spacer	242A15780X	50	M3 Front / Threaded rear spacer	241A15890X

Capacitance 1300 pF			Capacitance 1300 pF		
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242A10410X	09	4-40 UNC Threaded rear spacer	241A10410X
15	4-40 UNC Threaded rear spacer	242A10420X	15	4-40 UNC Threaded rear spacer	241A10420X
25	4-40 UNC Threaded rear spacer	242A10430X	25	4-40 UNC Threaded rear spacer	241A10430X
37	4-40 UNC Threaded rear spacer	242A10440X	37	4-40 UNC Threaded rear spacer	241A10440X
50	4-40 UNC Threaded rear spacer	242A15680X	50	4-40 UNC Threaded rear spacer	241A15790X
09	M3 Threaded rear spacer	242A10530X	09	M3 Threaded rear spacer	241A10530X
15	M3 Threaded rear spacer	242A10540X	15	M3 Threaded rear spacer	241A10540X
25	M3 Threaded rear spacer	242A10550X	25	M3 Threaded rear spacer	241A10550X
37	M3 Threaded rear spacer	242A10560X	37	M3 Threaded rear spacer	241A10560X
50	M3 Threaded rear spacer	242A15710X	50	M3 Threaded rear spacer	241A15820X
09	4-40 UNC Front / Threaded rear spacer	242A10650X	09	4-40 UNC Front / Threaded rear spacer	241A10650X
15	4-40 UNC Front / Threaded rear spacer	242A10660X	15	4-40 UNC Front / Threaded rear spacer	241A10660X
25	4-40 UNC Front / Threaded rear spacer	242A10670X	25	4-40 UNC Front / Threaded rear spacer	241A10670X
37	4-40 UNC Front / Threaded rear spacer	242A10680X	37	4-40 UNC Front / Threaded rear spacer	241A10680X
50	4-40 UNC Front / Threaded rear spacer	242A15740X	50	4-40 UNC Front / Threaded rear spacer	241A15850X
09	M3 Front / Threaded rear spacer	242A10770X	09	M3 Front / Threaded rear spacer	241A10770X
15	M3 Front / Threaded rear spacer	242A10780X	15	M3 Front / Threaded rear spacer	241A10780X
25	M3 Front / Threaded rear spacer	242A10790X	25	M3 Front / Threaded rear spacer	241A10790X
37	M3 Front / Threaded rear spacer	242A10800X	37	M3 Front / Threaded rear spacer	241A10800X
50	M3 Front / Threaded rear spacer	242A15770X	50	M3 Front / Threaded rear spacer	241A15880X

# C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

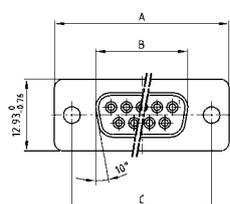


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
  - with 4-40 UNC or M3 front and threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

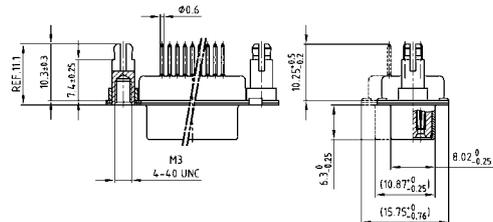
## SOCKET CONNECTOR



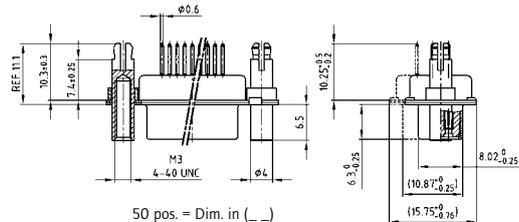
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>
50	67.31	52.55	61.10 <sup>+0.14</sup> / <sub>-0.11</sub>

PCB-Layout: Kat1kFUA

Mounting style: Threaded rear spacer with PCB clip

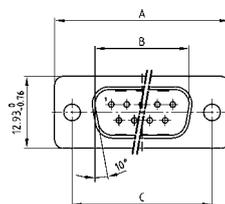


Mounting style: Front and threaded rear spacer with PCB clip



50 pos. = Dim. in ( \_ )

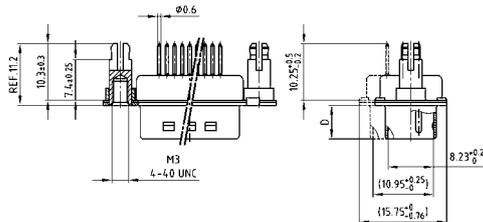
## PLUG CONNECTOR



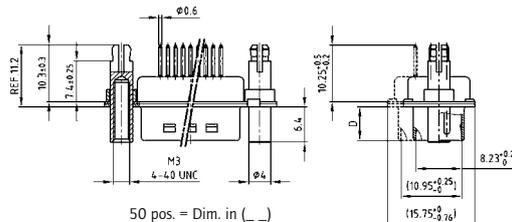
No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
50	67.31	52.68	61.10 <sup>+0.14</sup> / <sub>-0.11</sub>	5.99

PCB-Layout: Kat1kFUA

Mounting style: Threaded rear spacer with PCB clip



Mounting style: Front and threaded rear spacer with PCB clip



50 pos. = Dim. in ( \_ )

## ORDER DATA

Capacitance 180 pF

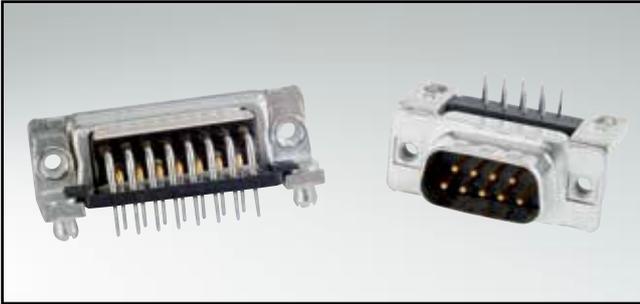
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242A16460X	09	4-40 UNC Threaded rear spacer PCB clip	241A19080X
15	4-40 UNC Threaded rear spacer PCB clip	242A16470X	15	4-40 UNC Threaded rear spacer PCB clip	241A19090X
25	4-40 UNC Threaded rear spacer PCB clip	242A16480X	25	4-40 UNC Threaded rear spacer PCB clip	241A19100X
37	4-40 UNC Threaded rear spacer PCB clip	242A16490X	37	4-40 UNC Threaded rear spacer PCB clip	241A19110X
50	4-40 UNC Threaded rear spacer PCB clip	242A16500X	50	4-40 UNC Threaded rear spacer PCB clip	241A19120X
09	M3 Threaded rear spacer PCB clip	242A16510X	09	M3 Threaded rear spacer PCB clip	241A19130X
15	M3 Threaded rear spacer PCB clip	242A16520X	15	M3 Threaded rear spacer PCB clip	241A19140X
25	M3 Threaded rear spacer PCB clip	242A16530X	25	M3 Threaded rear spacer PCB clip	241A19150X
37	M3 Threaded rear spacer PCB clip	242A16540X	37	M3 Threaded rear spacer PCB clip	241A19160X
50	M3 Threaded rear spacer PCB clip	242A16550X	50	M3 Threaded rear spacer PCB clip	241A19170X
09	4-40 UNC Front / Threaded rear spacer PCB clip	242A16560X	09	4-40 UNC Front / Threaded rear spacer PCB clip	241A19180X
15	4-40 UNC Front / Threaded rear spacer PCB clip	242A16570X	15	4-40 UNC Front / Threaded rear spacer PCB clip	241A19190X
25	4-40 UNC Front / Threaded rear spacer PCB clip	242A16580X	25	4-40 UNC Front / Threaded rear spacer PCB clip	241A19200X
37	4-40 UNC Front / Threaded rear spacer PCB clip	242A16590X	37	4-40 UNC Front / Threaded rear spacer PCB clip	241A19210X
50	4-40 UNC Front / Threaded rear spacer PCB clip	242A16600X	50	4-40 UNC Front / Threaded rear spacer PCB clip	241A19220X
09	M3 Front / Threaded rear spacer PCB clip	242A16610X	09	M3 Front / Threaded rear spacer PCB clip	241A19230X
15	M3 Front / Threaded rear spacer PCB clip	242A16620X	15	M3 Front / Threaded rear spacer PCB clip	241A19240X
25	M3 Front / Threaded rear spacer PCB clip	242A16630X	25	M3 Front / Threaded rear spacer PCB clip	241A19250X
37	M3 Front / Threaded rear spacer PCB clip	242A16640X	37	M3 Front / Threaded rear spacer PCB clip	241A19260X
50	M3 Front / Threaded rear spacer PCB clip	242A16650X	50	M3 Front / Threaded rear spacer PCB clip	241A19270X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness



# C-FILTER D-SUB STANDARD

Solder pin – Angled – .318" / 7.19 mm – Precision machined contacts – Metal Bracket

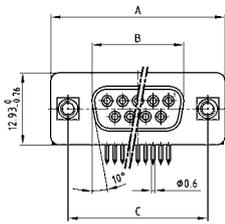


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

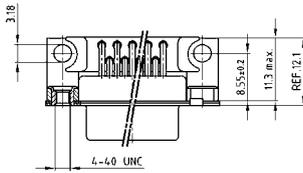
## SOCKET CONNECTOR



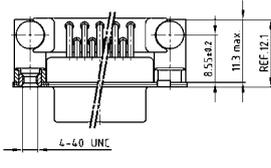
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>

PCB-Layout: Kat1kGEA

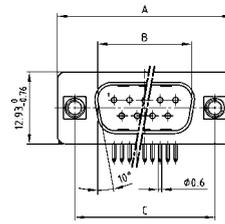
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



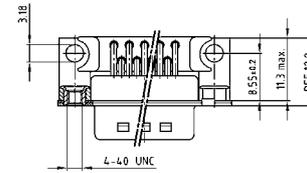
## PLUG CONNECTOR



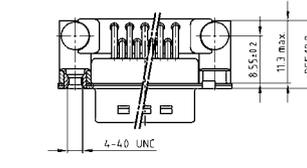
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

PCB-Layout: Kat1kGFA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

Capacitance 180 pF

### SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A17180X
15	Threaded insert	242A17190X
25	Threaded insert	242A17200X
37	Threaded insert	242A17210X
09	PCB clip / Threaded insert	242A17780X
15	PCB clip / Threaded insert	242A17790X
25	PCB clip / Threaded insert	242A17800X
37	PCB clip / Threaded insert	242A17810X

### PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241A19800X
15	Threaded insert	241A19810X
25	Threaded insert	241A19820X
37	Threaded insert	241A19830X
09	PCB clip / Threaded insert	241A16180X
15	PCB clip / Threaded insert	241A16190X
25	PCB clip / Threaded insert	241A16200X
37	PCB clip / Threaded insert	241A16210X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .318" / 7.19 mm – Precision machined contacts – Metal Bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12340X	09	Threaded insert	241A12320X
15	Threaded insert	242A12350X	15	Threaded insert	241A12330X
25	Threaded insert	242A12360X	25	Threaded insert	241A12340X
37	Threaded insert	242A12370X	37	Threaded insert	241A12350X
09	PCB clip / Threaded insert	242A17740X	09	PCB clip / Threaded insert	241A16140X
15	PCB clip / Threaded insert	242A17750X	15	PCB clip / Threaded insert	241A16150X
25	PCB clip / Threaded insert	242A17760X	25	PCB clip / Threaded insert	241A16160X
37	PCB clip / Threaded insert	242A17770X	37	PCB clip / Threaded insert	241A16170X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12420X	09	Threaded insert	241A12400X
15	Threaded insert	242A12430X	15	Threaded insert	241A12410X
25	Threaded insert	242A12440X	25	Threaded insert	241A12420X
37	Threaded insert	242A12450X	37	Threaded insert	241A12430X
09	PCB clip / Threaded insert	242A17700X	09	PCB clip / Threaded insert	241A16100X
15	PCB clip / Threaded insert	242A17710X	15	PCB clip / Threaded insert	241A16110X
25	PCB clip / Threaded insert	242A17720X	25	PCB clip / Threaded insert	241A16120X
37	PCB clip / Threaded insert	242A17730X	37	PCB clip / Threaded insert	241A16130X

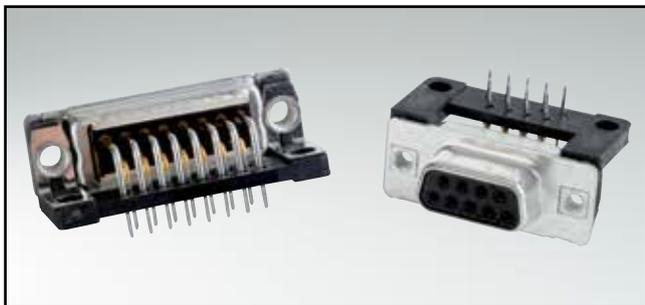
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12380X	09	Threaded insert	241A12360X
15	Threaded insert	242A12390X	15	Threaded insert	241A12370X
25	Threaded insert	242A12400X	25	Threaded insert	241A12380X
37	Threaded insert	242A12410X	37	Threaded insert	241A12390X
09	PCB clip / Threaded insert	242A17660X	09	PCB clip / Threaded insert	241A16060X
15	PCB clip / Threaded insert	242A17670X	15	PCB clip / Threaded insert	241A16070X
25	PCB clip / Threaded insert	242A17680X	25	PCB clip / Threaded insert	241A16080X
37	PCB clip / Threaded insert	242A17690X	37	PCB clip / Threaded insert	241A16090X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Plastic bracket

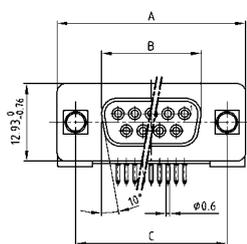


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket, grounding strap with through-hole  $\varnothing .118"/3.0$  mm
  - Mounting bracket, grounding strap with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

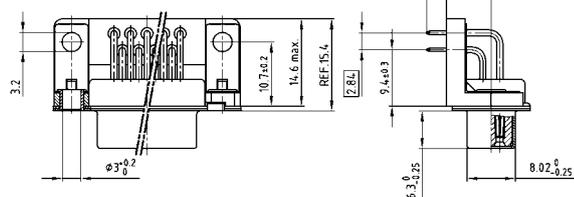
## SOCKET CONNECTOR



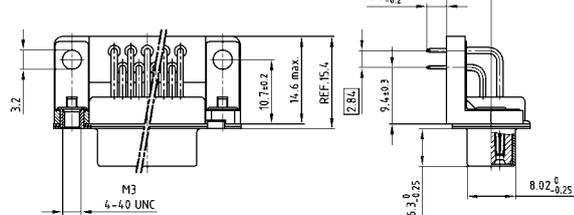
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 $^{+0.13}$
37	69.70	54.96	63.50 $^{+0.13}$

PCB-Layout: Kat1kGGA

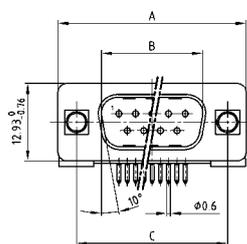
Mounting style: Through-hole



Mounting style: Threaded insert



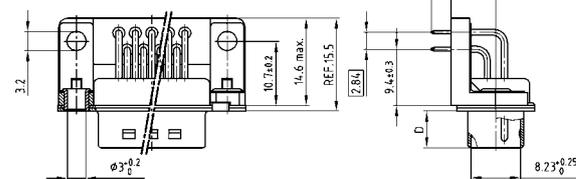
## PLUG CONNECTOR



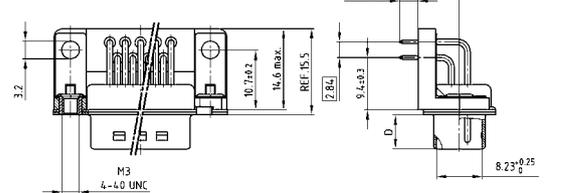
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 $^{+0.13}$	5.99
37	69.70	55.30	63.50 $^{+0.13}$	5.99

PCB-Layout: Kat1kGHA

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

### Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
09	Through-hole	242A16780X
15	Through-hole	242A16790X
25	Through-hole	242A16800X
37	Through-hole	242A16810X
09	Grounding strap/4-40 UNC Threaded insert	242A16820X
15	Grounding strap/4-40 UNC Threaded insert	242A16830X
25	Grounding strap/4-40 UNC Threaded insert	242A16840X
37	Grounding strap/4-40 UNC Threaded insert	242A16850X
09	Grounding strap/M3 Threaded insert	242A16860X
15	Grounding strap/M3 Threaded insert	242A16870X
25	Grounding strap/M3 Threaded insert	242A16880X
37	Grounding strap/M3 Threaded insert	242A16890X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
09	Through-hole	241A19400X
15	Through-hole	241A19410X
25	Through-hole	241A19420X
37	Through-hole	241A19430X
09	Grounding strap/4-40 UNC Threaded insert	241A19440X
15	Grounding strap/4-40 UNC Threaded insert	241A19450X
25	Grounding strap/4-40 UNC Threaded insert	241A19460X
37	Grounding strap/4-40 UNC Threaded insert	241A19470X
09	Grounding strap/M3 Threaded insert	241A19480X
15	Grounding strap/M3 Threaded insert	241A19490X
25	Grounding strap/M3 Threaded insert	241A19500X
37	Grounding strap/M3 Threaded insert	241A19510X

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Plastic bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A10970X	09	Through-hole	241A10970X
15	Through-hole	242A10980X	15	Through-hole	241A10980X
25	Through-hole	242A10990X	25	Through-hole	241A10990X
37	Through-hole	242A11000X	37	Through-hole	241A11000X
09	Grounding strap/4-40 UNC Threaded insert	242A11090X	09	Grounding strap/4-40 UNC Threaded insert	241A11090X
15	Grounding strap/4-40 UNC Threaded insert	242A11100X	15	Grounding strap/4-40 UNC Threaded insert	241A11100X
25	Grounding strap/4-40 UNC Threaded insert	242A11110X	25	Grounding strap/4-40 UNC Threaded insert	241A11110X
37	Grounding strap/4-40 UNC Threaded insert	242A11120X	37	Grounding strap/4-40 UNC Threaded insert	241A11120X
09	Grounding strap/M3 Threaded insert	242A11210X	09	Grounding strap/M3 Threaded insert	241A11210X
15	Grounding strap/M3 Threaded insert	242A11220X	15	Grounding strap/M3 Threaded insert	241A11220X
25	Grounding strap/M3 Threaded insert	242A11230X	25	Grounding strap/M3 Threaded insert	241A11230X
37	Grounding strap/M3 Threaded insert	242A11240X	37	Grounding strap/M3 Threaded insert	241A11240X

**Capacitance 830 pF**

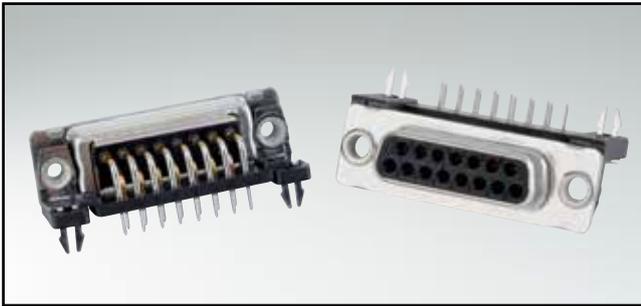
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A11050X	09	Through-hole	241A11050X
15	Through-hole	242A11060X	15	Through-hole	241A11060X
25	Through-hole	242A11070X	25	Through-hole	241A11070X
37	Through-hole	242A11080X	37	Through-hole	241A11080X
09	Grounding strap/4-40 UNC Threaded insert	242A11170X	09	Grounding strap/4-40 UNC Threaded insert	241A11170X
15	Grounding strap/4-40 UNC Threaded insert	242A11180X	15	Grounding strap/4-40 UNC Threaded insert	241A11180X
25	Grounding strap/4-40 UNC Threaded insert	242A11190X	25	Grounding strap/4-40 UNC Threaded insert	241A11190X
37	Grounding strap/4-40 UNC Threaded insert	242A11200X	37	Grounding strap/4-40 UNC Threaded insert	241A11200X
09	Grounding strap/M3 Threaded insert	242A11290X	09	Grounding strap/M3 Threaded insert	241A11290X
15	Grounding strap/M3 Threaded insert	242A11300X	15	Grounding strap/M3 Threaded insert	241A11300X
25	Grounding strap/M3 Threaded insert	242A11310X	25	Grounding strap/M3 Threaded insert	241A11310X
37	Grounding strap/M3 Threaded insert	242A11320X	37	Grounding strap/M3 Threaded insert	241A11320X

**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A11010X	09	Through-hole	241A11010X
15	Through-hole	242A11020X	15	Through-hole	241A11020X
25	Through-hole	242A11030X	25	Through-hole	241A11030X
37	Through-hole	242A11040X	37	Through-hole	241A11040X
09	Grounding strap/4-40 UNC Threaded insert	242A11130X	09	Grounding strap/4-40 UNC Threaded insert	241A11130X
15	Grounding strap/4-40 UNC Threaded insert	242A11140X	15	Grounding strap/4-40 UNC Threaded insert	241A11140X
25	Grounding strap/4-40 UNC Threaded insert	242A11150X	25	Grounding strap/4-40 UNC Threaded insert	241A11150X
37	Grounding strap/4-40 UNC Threaded insert	242A11160X	37	Grounding strap/4-40 UNC Threaded insert	241A11160X
09	Grounding strap/M3 Threaded insert	242A11250X	09	Grounding strap/M3 Threaded insert	241A11250X
15	Grounding strap/M3 Threaded insert	242A11260X	15	Grounding strap/M3 Threaded insert	241A11260X
25	Grounding strap/M3 Threaded insert	242A11270X	25	Grounding strap/M3 Threaded insert	241A11270X
37	Grounding strap/M3 Threaded insert	242A11280X	37	Grounding strap/M3 Threaded insert	241A11280X

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Plastic bracket

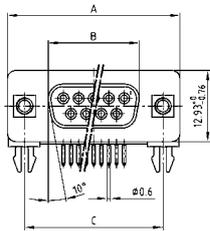


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket with PCB clip and 4-40 UNC or M3 threaded insert
  - Mounting bracket with PCB clip and through-hole  $\varnothing$  .118"/3.0 mm
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

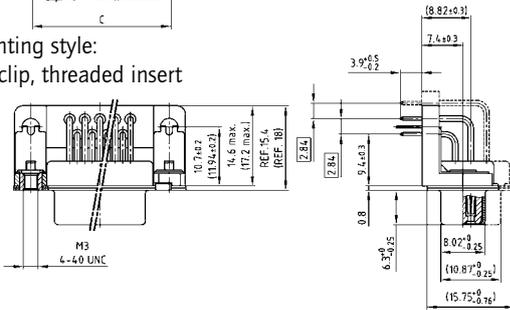
## SOCKET CONNECTOR



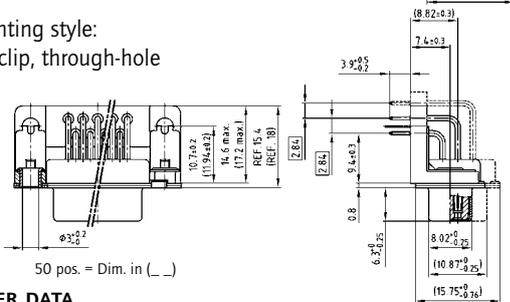
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 $\pm 0.13$
37	69.70	54.96	63.50 $\pm 0.13$
50	67.31	52.55	61.10 $^{+0.14}_{-0.11}$

PCB-Layout: Kat1kGGA

Mounting style:  
PCB clip, threaded insert

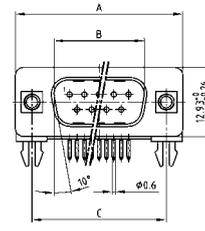


Mounting style:  
PCB clip, through-hole



50 pos. = Dim. in ( \_ )

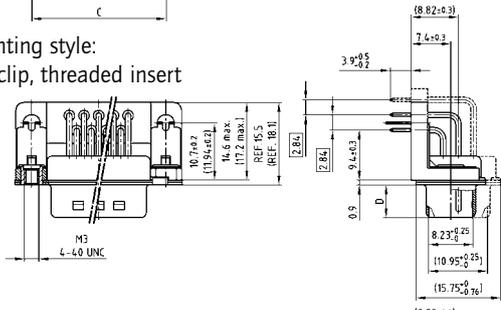
## PLUG CONNECTOR



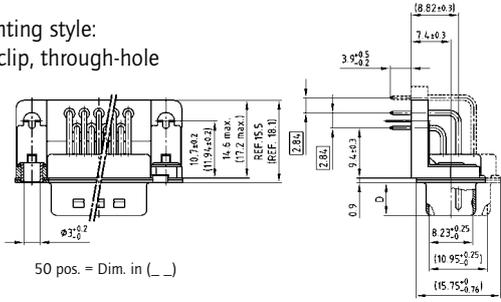
No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 $\pm 0.13$	5.99
37	69.70	55.30	63.50 $\pm 0.13$	5.99
50	67.31	52.68	61.10 $^{+0.14}_{-0.11}$	5.99

PCB-Layout: Kat1kGHA

Mounting style:  
PCB clip, threaded insert



Mounting style:  
PCB clip, through-hole



50 pos. = Dim. in ( \_ )

## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A17020X
15	PCB clip / 4-40 UNC Threaded insert	242A17030X
25	PCB clip / 4-40 UNC Threaded insert	242A17040X
37	PCB clip / 4-40 UNC Threaded insert	242A17050X
50	PCB clip / 4-40 UNC Threaded insert	242A24020X
09	PCB clip / M3 Threaded insert	242A17060X
15	PCB clip / M3 Threaded insert	242A17070X
25	PCB clip / M3 Threaded insert	242A17080X
37	PCB clip / M3 Threaded insert	242A17090X
50	PCB clip / M3 Threaded insert	242A24060X
09	PCB clip / Through-hole	242A16980X
15	PCB clip / Through-hole	242A16990X
25	PCB clip / Through-hole	242A17000X
37	PCB clip / Through-hole	242A17010X
50	PCB clip / Through-hole	242A23980X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241A19640X
15	PCB clip / 4-40 UNC Threaded insert	241A19650X
25	PCB clip / 4-40 UNC Threaded insert	241A19660X
37	PCB clip / 4-40 UNC Threaded insert	241A19670X
50	PCB clip / 4-40 UNC Threaded insert	241A24120X
09	PCB clip / M3 Threaded insert	241A19680X
15	PCB clip / M3 Threaded insert	241A19690X
25	PCB clip / M3 Threaded insert	241A19700X
37	PCB clip / M3 Threaded insert	241A19710X
50	PCB clip / M3 Threaded insert	241A24160X
09	PCB clip / Through-hole	241A19600X
15	PCB clip / Through-hole	241A19610X
25	PCB clip / Through-hole	241A19620X
37	PCB clip / Through-hole	241A19630X
50	PCB clip / Through-hole	241A24080X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Plastic bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A12820X	09	PCB clip / 4-40 UNC Threaded insert	241A12800X
15	PCB clip / 4-40 UNC Threaded insert	242A12830X	15	PCB clip / 4-40 UNC Threaded insert	241A12810X
25	PCB clip / 4-40 UNC Threaded insert	242A12840X	25	PCB clip / 4-40 UNC Threaded insert	241A12820X
37	PCB clip / 4-40 UNC Threaded insert	242A12850X	37	PCB clip / 4-40 UNC Threaded insert	241A12830X
50	PCB clip / 4-40 UNC Threaded insert	242A24030X	50	PCB clip / 4-40 UNC Threaded insert	241A24130X
09	PCB clip / M3 Threaded insert	242A12940X	09	PCB clip / M3 Threaded insert	241A12920X
15	PCB clip / M3 Threaded insert	242A12950X	15	PCB clip / M3 Threaded insert	241A12930X
25	PCB clip / M3 Threaded insert	242A12960X	25	PCB clip / M3 Threaded insert	241A12940X
37	PCB clip / M3 Threaded insert	242A12970X	37	PCB clip / M3 Threaded insert	241A12950X
50	PCB clip / M3 Threaded insert	242A24070X	50	PCB clip / M3 Threaded insert	241A24170X
09	PCB clip / Through-hole	242A12700X	09	PCB clip / Through-hole	241A12680X
15	PCB clip / Through-hole	242A12710X	15	PCB clip / Through-hole	241A12690X
25	PCB clip / Through-hole	242A12720X	25	PCB clip / Through-hole	241A12700X
37	PCB clip / Through-hole	242A12730X	37	PCB clip / Through-hole	241A12710X
50	PCB clip / Through-hole	242A23990X	50	PCB clip / Through-hole	241A24090X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A12900X	09	PCB clip / 4-40 UNC Threaded insert	241A12880X
15	PCB clip / 4-40 UNC Threaded insert	242A12910X	15	PCB clip / 4-40 UNC Threaded insert	241A12890X
25	PCB clip / 4-40 UNC Threaded insert	242A12920X	25	PCB clip / 4-40 UNC Threaded insert	241A12900X
37	PCB clip / 4-40 UNC Threaded insert	242A12930X	37	PCB clip / 4-40 UNC Threaded insert	241A12910X
50	PCB clip / 4-40 UNC Threaded insert	242A24040X	50	PCB clip / 4-40 UNC Threaded insert	241A24140X
09	PCB clip / M3 Threaded insert	242A13020X	09	PCB clip / M3 Threaded insert	241A13000X
15	PCB clip / M3 Threaded insert	242A13030X	15	PCB clip / M3 Threaded insert	241A13010X
25	PCB clip / M3 Threaded insert	242A13040X	25	PCB clip / M3 Threaded insert	241A13020X
37	PCB clip / M3 Threaded insert	242A13050X	37	PCB clip / M3 Threaded insert	241A13030X
50	PCB clip / M3 Threaded insert	242A24080X	50	PCB clip / M3 Threaded insert	241A24180X
09	PCB clip / Through-hole	242A12780X	09	PCB clip / Through-hole	241A12760X
15	PCB clip / Through-hole	242A12790X	15	PCB clip / Through-hole	241A12770X
25	PCB clip / Through-hole	242A12800X	25	PCB clip / Through-hole	241A12780X
37	PCB clip / Through-hole	242A12810X	37	PCB clip / Through-hole	241A12790X
50	PCB clip / Through-hole	242A24000X	50	PCB clip / Through-hole	241A24100X

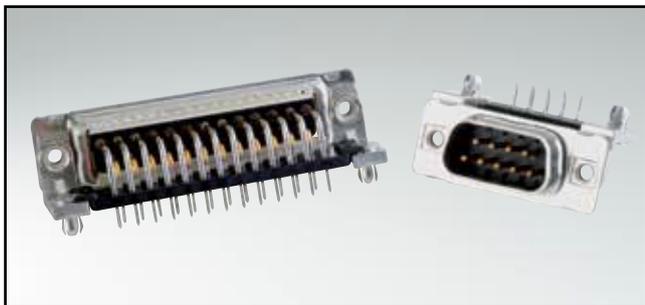
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A12860X	09	PCB clip / 4-40 UNC Threaded insert	241A12840X
15	PCB clip / 4-40 UNC Threaded insert	242A12870X	15	PCB clip / 4-40 UNC Threaded insert	241A12850X
25	PCB clip / 4-40 UNC Threaded insert	242A12880X	25	PCB clip / 4-40 UNC Threaded insert	241A12860X
37	PCB clip / 4-40 UNC Threaded insert	242A12890X	37	PCB clip / 4-40 UNC Threaded insert	241A12870X
50	PCB clip / 4-40 UNC Threaded insert	242A24050X	50	PCB clip / 4-40 UNC Threaded insert	241A24150X
09	PCB clip / M3 Threaded insert	242A12980X	09	PCB clip / M3 Threaded insert	241A12960X
15	PCB clip / M3 Threaded insert	242A12990X	15	PCB clip / M3 Threaded insert	241A12970X
25	PCB clip / M3 Threaded insert	242A13000X	25	PCB clip / M3 Threaded insert	241A12980X
37	PCB clip / M3 Threaded insert	242A13010X	37	PCB clip / M3 Threaded insert	241A12990X
50	PCB clip / M3 Threaded insert	242A24090X	50	PCB clip / M3 Threaded insert	241A24190X
09	PCB clip / Through-hole	242A12740X	09	PCB clip / Through-hole	241A12720X
15	PCB clip / Through-hole	242A12750X	15	PCB clip / Through-hole	241A12730X
25	PCB clip / Through-hole	242A12760X	25	PCB clip / Through-hole	241A12740X
37	PCB clip / Through-hole	242A12770X	37	PCB clip / Through-hole	241A12750X
50	PCB clip / Through-hole	242A24010X	50	PCB clip / Through-hole	241A24110X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Metal bracket

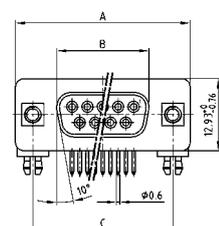


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket with PCB clip and 4-40 UNC or M3 threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

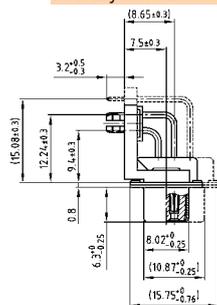
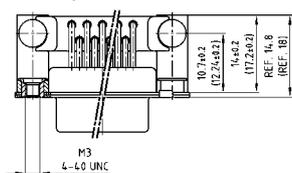
## SOCKET CONNECTOR



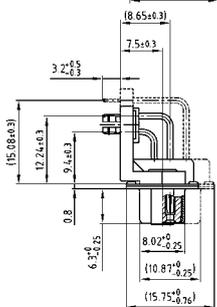
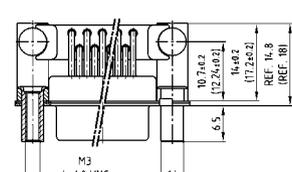
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup>
37	69.70	54.96	63.50 <sup>+0.13</sup>
50	67.31	52.55	61.10 <sup>+0.14</sup> / <sub>-0.11</sub>

PCB-Layout: Kat1kGGA

Mounting style:  
PCB clip, threaded insert



Mounting style:  
PCB clip, front spacer



50 pos. = Dim. in ( \_ )

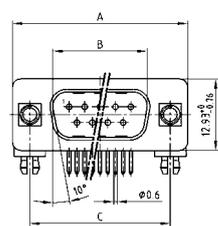
## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A21410X
15	PCB clip / 4-40 UNC Threaded insert	242A21420X
25	PCB clip / 4-40 UNC Threaded insert	242A21430X
37	PCB clip / 4-40 UNC Threaded insert	242A21440X
50	PCB clip / 4-40 UNC Threaded insert	242A27220X
09	PCB clip / M3 Threaded insert	242A21570X
15	PCB clip / M3 Threaded insert	242A21580X
25	PCB clip / M3 Threaded insert	242A21590X
37	PCB clip / M3 Threaded insert	242A21600X
50	PCB clip / M3 Threaded insert	242A27260X
09	PCB clip / 4-40 UNC Front spacer	242A22400X
15	PCB clip / 4-40 UNC Front spacer	242A22410X
25	PCB clip / 4-40 UNC Front spacer	242A22420X
37	PCB clip / 4-40 UNC Front spacer	242A22430X
50	PCB clip / 4-40 UNC Front spacer	242A27300X
09	PCB clip / M3 Front spacer	242A22560X
15	PCB clip / M3 Front spacer	242A22570X
25	PCB clip / M3 Front spacer	242A22580X
37	PCB clip / M3 Front spacer	242A22590X
50	PCB clip / M3 Front spacer	242A27340X

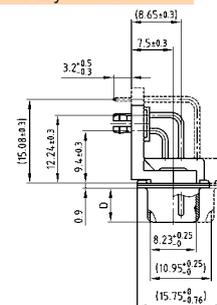
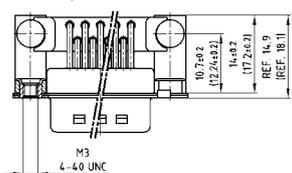
## PLUG CONNECTOR



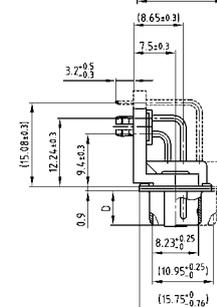
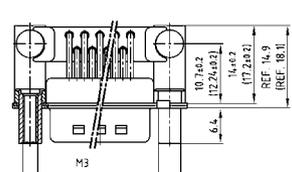
No. of pos.	A -0.76	B -0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup>	5.99
50	67.31	52.68	61.10 <sup>+0.14</sup> / <sub>-0.11</sub>	5.99

PCB-Layout: Kat1kGHA

Mounting style:  
PCB clip, threaded insert



Mounting style:  
PCB clip, front spacer



50 pos. = Dim. in ( \_ )

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241A21560X
15	PCB clip / 4-40 UNC Threaded insert	241A21570X
25	PCB clip / 4-40 UNC Threaded insert	241A21580X
37	PCB clip / 4-40 UNC Threaded insert	241A21590X
50	PCB clip / 4-40 UNC Threaded insert	241A27320X
09	PCB clip / M3 Threaded insert	241A21720X
15	PCB clip / M3 Threaded insert	241A21730X
25	PCB clip / M3 Threaded insert	241A21740X
37	PCB clip / M3 Threaded insert	241A21750X
50	PCB clip / M3 Threaded insert	241A27360X
09	PCB clip / 4-40 UNC Front spacer	241A22500X
15	PCB clip / 4-40 UNC Front spacer	241A22510X
25	PCB clip / 4-40 UNC Front spacer	241A22520X
37	PCB clip / 4-40 UNC Front spacer	241A22530X
50	PCB clip / 4-40 UNC Front spacer	241A27400X
09	PCB clip / M3 Front spacer	241A22660X
15	PCB clip / M3 Front spacer	241A22670X
25	PCB clip / M3 Front spacer	241A22680X
37	PCB clip / M3 Front spacer	241A22690X
50	PCB clip / M3 Front spacer	241A27440X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Metal bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A21450X	09	PCB clip / 4-40 UNC Threaded insert	241A21600X
15	PCB clip / 4-40 UNC Threaded insert	242A21460X	15	PCB clip / 4-40 UNC Threaded insert	241A21610X
25	PCB clip / 4-40 UNC Threaded insert	242A21470X	25	PCB clip / 4-40 UNC Threaded insert	241A21620X
37	PCB clip / 4-40 UNC Threaded insert	242A21480X	37	PCB clip / 4-40 UNC Threaded insert	241A21630X
50	PCB clip / 4-40 UNC Threaded insert	242A21490X	50	PCB clip / 4-40 UNC Threaded insert	241A21640X
09	PCB clip / M3 Threaded insert	242A21610X	09	PCB clip / M3 Threaded insert	241A21760X
15	PCB clip / M3 Threaded insert	242A21620X	15	PCB clip / M3 Threaded insert	241A21770X
25	PCB clip / M3 Threaded insert	242A21630X	25	PCB clip / M3 Threaded insert	241A21780X
37	PCB clip / M3 Threaded insert	242A21640X	37	PCB clip / M3 Threaded insert	241A21790X
50	PCB clip / M3 Threaded insert	242A21650X	50	PCB clip / M3 Threaded insert	241A21800X
09	PCB clip / 4-40 UNC Front spacer	242A22440X	09	PCB clip / 4-40 UNC Front spacer	241A22540X
15	PCB clip / 4-40 UNC Front spacer	242A22450X	15	PCB clip / 4-40 UNC Front spacer	241A22550X
25	PCB clip / 4-40 UNC Front spacer	242A22460X	25	PCB clip / 4-40 UNC Front spacer	241A22560X
37	PCB clip / 4-40 UNC Front spacer	242A22470X	37	PCB clip / 4-40 UNC Front spacer	241A22570X
50	PCB clip / 4-40 UNC Front spacer	242A22480X	50	PCB clip / 4-40 UNC Front spacer	241A22580X
09	PCB clip / M3 Front spacer	242A22600X	09	PCB clip / M3 Front spacer	241A22700X
15	PCB clip / M3 Front spacer	242A22610X	15	PCB clip / M3 Front spacer	241A22710X
25	PCB clip / M3 Front spacer	242A22620X	25	PCB clip / M3 Front spacer	241A22720X
37	PCB clip / M3 Front spacer	242A22630X	37	PCB clip / M3 Front spacer	241A22730X
50	PCB clip / M3 Front spacer	242A22640X	50	PCB clip / M3 Front spacer	241A22740X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A21490X	09	PCB clip / 4-40 UNC Threaded insert	241A21640X
15	PCB clip / 4-40 UNC Threaded insert	242A21500X	15	PCB clip / 4-40 UNC Threaded insert	241A21650X
25	PCB clip / 4-40 UNC Threaded insert	242A21510X	25	PCB clip / 4-40 UNC Threaded insert	241A21660X
37	PCB clip / 4-40 UNC Threaded insert	242A21520X	37	PCB clip / 4-40 UNC Threaded insert	241A21670X
50	PCB clip / 4-40 UNC Threaded insert	242A21530X	50	PCB clip / 4-40 UNC Threaded insert	241A21680X
09	PCB clip / M3 Threaded insert	242A21650X	09	PCB clip / M3 Threaded insert	241A21800X
15	PCB clip / M3 Threaded insert	242A21660X	15	PCB clip / M3 Threaded insert	241A21810X
25	PCB clip / M3 Threaded insert	242A21670X	25	PCB clip / M3 Threaded insert	241A21820X
37	PCB clip / M3 Threaded insert	242A21680X	37	PCB clip / M3 Threaded insert	241A21830X
50	PCB clip / M3 Threaded insert	242A21690X	50	PCB clip / M3 Threaded insert	241A21840X
09	PCB clip / 4-40 UNC Front spacer	242A22480X	09	PCB clip / 4-40 UNC Front spacer	241A22580X
15	PCB clip / 4-40 UNC Front spacer	242A22490X	15	PCB clip / 4-40 UNC Front spacer	241A22590X
25	PCB clip / 4-40 UNC Front spacer	242A22500X	25	PCB clip / 4-40 UNC Front spacer	241A22600X
37	PCB clip / 4-40 UNC Front spacer	242A22510X	37	PCB clip / 4-40 UNC Front spacer	241A22610X
50	PCB clip / 4-40 UNC Front spacer	242A22520X	50	PCB clip / 4-40 UNC Front spacer	241A22620X
09	PCB clip / M3 Front spacer	242A22640X	09	PCB clip / M3 Front spacer	241A22740X
15	PCB clip / M3 Front spacer	242A22650X	15	PCB clip / M3 Front spacer	241A22750X
25	PCB clip / M3 Front spacer	242A22660X	25	PCB clip / M3 Front spacer	241A22760X
37	PCB clip / M3 Front spacer	242A22670X	37	PCB clip / M3 Front spacer	241A22770X
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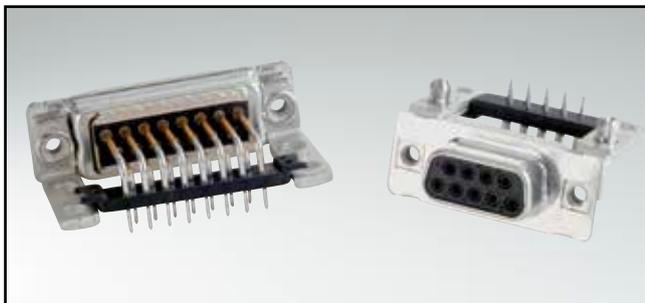
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242A21530X	09	PCB clip / 4-40 UNC Threaded insert	241A21680X
15	PCB clip / 4-40 UNC Threaded insert	242A21540X	15	PCB clip / 4-40 UNC Threaded insert	241A21690X
25	PCB clip / 4-40 UNC Threaded insert	242A21550X	25	PCB clip / 4-40 UNC Threaded insert	241A21700X
37	PCB clip / 4-40 UNC Threaded insert	242A21560X	37	PCB clip / 4-40 UNC Threaded insert	241A21710X
50	PCB clip / 4-40 UNC Threaded insert	242A21570X	50	PCB clip / 4-40 UNC Threaded insert	241A21720X
09	PCB clip / M3 Threaded insert	242A21690X	09	PCB clip / M3 Threaded insert	241A21840X
15	PCB clip / M3 Threaded insert	242A21700X	15	PCB clip / M3 Threaded insert	241A21850X
25	PCB clip / M3 Threaded insert	242A21710X	25	PCB clip / M3 Threaded insert	241A21860X
37	PCB clip / M3 Threaded insert	242A21720X	37	PCB clip / M3 Threaded insert	241A21870X
50	PCB clip / M3 Threaded insert	242A21730X	50	PCB clip / M3 Threaded insert	241A21880X
09	PCB clip / 4-40 UNC Front spacer	242A22520X	09	PCB clip / 4-40 UNC Front spacer	241A22620X
15	PCB clip / 4-40 UNC Front spacer	242A22530X	15	PCB clip / 4-40 UNC Front spacer	241A22630X
25	PCB clip / 4-40 UNC Front spacer	242A22540X	25	PCB clip / 4-40 UNC Front spacer	241A22640X
37	PCB clip / 4-40 UNC Front spacer	242A22550X	37	PCB clip / 4-40 UNC Front spacer	241A22650X
50	PCB clip / 4-40 UNC Front spacer	242A22560X	50	PCB clip / 4-40 UNC Front spacer	241A22660X
09	PCB clip / M3 Front spacer	242A22680X	09	PCB clip / M3 Front spacer	241A22780X
15	PCB clip / M3 Front spacer	242A22690X	15	PCB clip / M3 Front spacer	241A22790X
25	PCB clip / M3 Front spacer	242A22700X	25	PCB clip / M3 Front spacer	241A22800X
37	PCB clip / M3 Front spacer	242A22710X	37	PCB clip / M3 Front spacer	241A22810X
50	PCB clip / M3 Front spacer	242A22720X	50	PCB clip / M3 Front spacer	241A22820X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .590" / 14.19 mm – Precision machined contacts – Metal Bracket

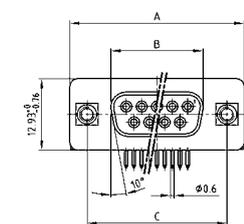


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

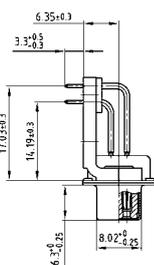
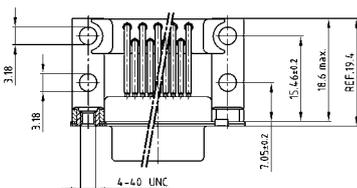
## SOCKET CONNECTOR



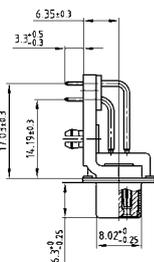
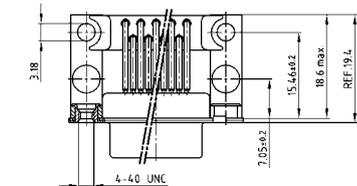
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>

PCB-Layout: Kat1kGIA

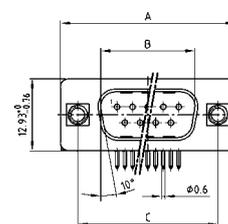
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



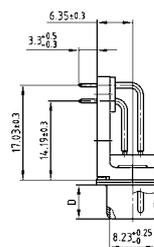
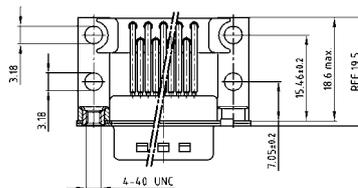
## PLUG CONNECTOR



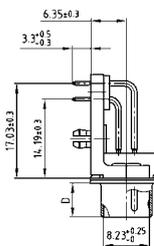
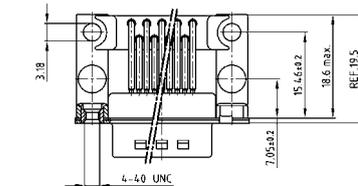
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

PCB-Layout: Kat1kGJA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A17260X
15	Threaded insert	242A17270X
25	Threaded insert	242A17280X
37	Threaded insert	242A17290X
09	PCB clip / Threaded insert	242A19290X
15	PCB clip / Threaded insert	242A19300X
25	PCB clip / Threaded insert	242A19310X
37	PCB clip / Threaded insert	242A19320X

#### PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241A19880X
15	Threaded insert	241A19890X
25	Threaded insert	241A19900X
37	Threaded insert	241A19910X
09	PCB clip / Threaded insert	241A17700X
15	PCB clip / Threaded insert	241A17710X
25	PCB clip / Threaded insert	241A17720X
37	PCB clip / Threaded insert	241A17730X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .590" / 14.19 mm – Precision machined contacts – Metal Bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12580X	09	Threaded insert	241A12560X
15	Threaded insert	242A12590X	15	Threaded insert	241A12570X
25	Threaded insert	242A12600X	25	Threaded insert	241A12580X
37	Threaded insert	242A12610X	37	Threaded insert	241A12590X
09	PCB clip / Threaded insert	242A19250X	09	PCB clip / Threaded insert	241A17660X
15	PCB clip / Threaded insert	242A19260X	15	PCB clip / Threaded insert	241A17670X
25	PCB clip / Threaded insert	242A19270X	25	PCB clip / Threaded insert	241A17680X
37	PCB clip / Threaded insert	242A19280X	37	PCB clip / Threaded insert	241A17690X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12660X	09	Threaded insert	241A12640X
15	Threaded insert	242A12670X	15	Threaded insert	241A12650X
25	Threaded insert	242A12680X	25	Threaded insert	241A12660X
37	Threaded insert	242A12690X	37	Threaded insert	241A12670X
09	PCB clip / Threaded insert	242A19210X	09	PCB clip / Threaded insert	241A17620X
15	PCB clip / Threaded insert	242A19220X	15	PCB clip / Threaded insert	241A17630X
25	PCB clip / Threaded insert	242A19230X	25	PCB clip / Threaded insert	241A17640X
37	PCB clip / Threaded insert	242A19240X	37	PCB clip / Threaded insert	241A17650X

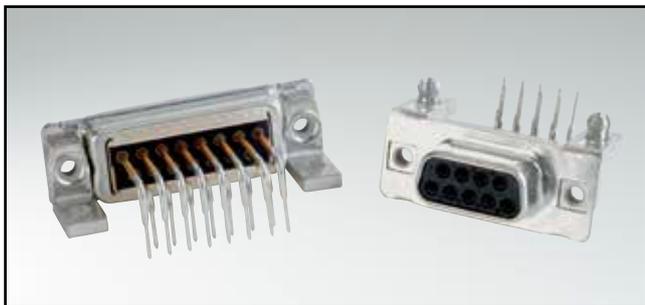
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A12620X	09	Threaded insert	241A12600X
15	Threaded insert	242A12630X	15	Threaded insert	241A12610X
25	Threaded insert	242A12640X	25	Threaded insert	241A12620X
37	Threaded insert	242A12650X	37	Threaded insert	241A12630X
09	PCB clip / Threaded insert	242A19170X	09	PCB clip / Threaded insert	241A17580X
15	PCB clip / Threaded insert	242A19180X	15	PCB clip / Threaded insert	241A17590X
25	PCB clip / Threaded insert	242A19190X	25	PCB clip / Threaded insert	241A17600X
37	PCB clip / Threaded insert	242A19200X	37	PCB clip / Threaded insert	241A17610X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .590"/14.19 mm – Precision machined contacts – Short metal bracket

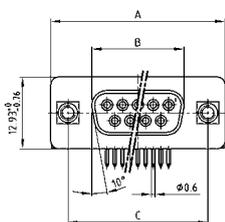


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket, 4-40 UNC threaded insert
  - Mounting bracket, PCB clip and 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

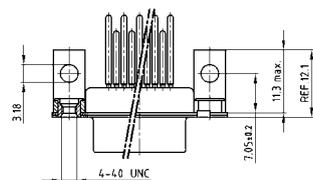
## SOCKET CONNECTOR



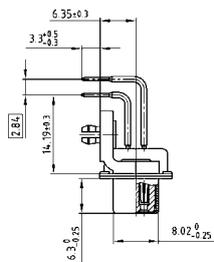
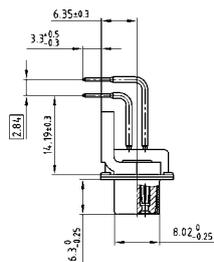
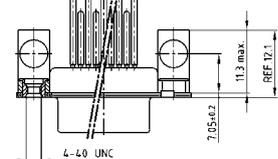
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>

PCB-Layout: Kat1kGXA

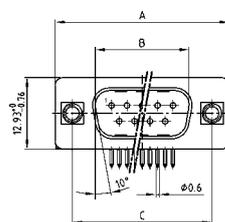
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



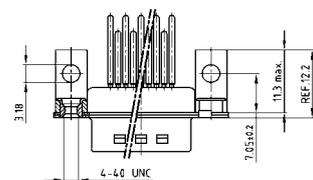
## PLUG CONNECTOR



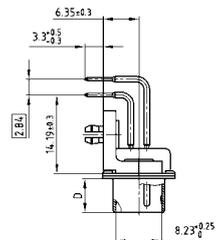
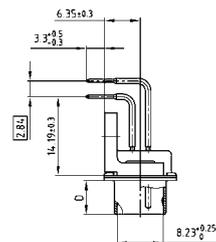
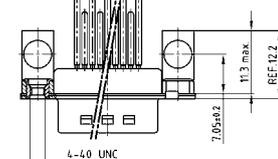
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

PCB-Layout: Kat1kGYA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A20290X
15	Threaded insert	242A20300X
25	Threaded insert	242A20310X
37	Threaded insert	242A20320X
09	PCB clip / Threaded insert	242A20450X
15	PCB clip / Threaded insert	242A20460X
25	PCB clip / Threaded insert	242A20470X
37	PCB clip / Threaded insert	242A20480X

PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241A20440X
15	Threaded insert	241A20450X
25	Threaded insert	241A20460X
37	Threaded insert	241A20470X
09	PCB clip / Threaded insert	241A20600X
15	PCB clip / Threaded insert	241A20610X
25	PCB clip / Threaded insert	241A20620X
37	PCB clip / Threaded insert	241A20630X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB STANDARD

Solder pin – Angled – .590"/14.19 mm – Precision machined contacts – Short metal bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A20330X	09	Threaded insert	241A20480X
15	Threaded insert	242A20340X	15	Threaded insert	241A20490X
25	Threaded insert	242A20350X	25	Threaded insert	241A20500X
37	Threaded insert	242A20360X	37	Threaded insert	241A20510X
09	PCB clip / Threaded insert	242A20490X	09	PCB clip / Threaded insert	241A20640X
15	PCB clip / Threaded insert	242A20500X	15	PCB clip / Threaded insert	241A20650X
25	PCB clip / Threaded insert	242A20510X	25	PCB clip / Threaded insert	241A20660X
37	PCB clip / Threaded insert	242A20520X	37	PCB clip / Threaded insert	241A20670X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A20370X	09	Threaded insert	241A20520X
15	Threaded insert	242A20380X	15	Threaded insert	241A20530X
25	Threaded insert	242A20390X	25	Threaded insert	241A20540X
37	Threaded insert	242A20400X	37	Threaded insert	241A20550X
09	PCB clip / Threaded insert	242A20530X	09	PCB clip / Threaded insert	241A20680X
15	PCB clip / Threaded insert	242A20540X	15	PCB clip / Threaded insert	241A20690X
25	PCB clip / Threaded insert	242A20550X	25	PCB clip / Threaded insert	241A20700X
37	PCB clip / Threaded insert	242A20560X	37	PCB clip / Threaded insert	241A20710X

**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A20410X	09	Threaded insert	241A20560X
15	Threaded insert	242A20420X	15	Threaded insert	241A20570X
25	Threaded insert	242A20430X	25	Threaded insert	241A20580X
37	Threaded insert	242A20440X	37	Threaded insert	241A20590X
09	PCB clip / Threaded insert	242A20570X	09	PCB clip / Threaded insert	241A20720X
15	PCB clip / Threaded insert	242A20580X	15	PCB clip / Threaded insert	241A20730X
25	PCB clip / Threaded insert	242A20590X	25	PCB clip / Threaded insert	241A20740X
37	PCB clip / Threaded insert	242A20600X	37	PCB clip / Threaded insert	241A20750X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness



# C-FILTER D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Precision machined contacts – .625" / 15.88 mm connector spacing

ORDER DATA

## Capacitance 370 pF



VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14130X
15/15	Plug upper / Plug bottom	241A14140X
25/25	Plug upper / Plug bottom	241A14150X
37/37	Plug upper / Plug bottom	241A14160X
09/09	Plug upper / Socket bottom	241A14250X
15/15	Plug upper / Socket bottom	241A14260X
25/25	Plug upper / Socket bottom	241A14270X
37/37	Plug upper / Socket bottom	241A14280X
09/09	Socket upper / Socket bottom	242A14020X
15/15	Socket upper / Socket bottom	242A14030X
25/25	Socket upper / Socket bottom	242A14040X
37/37	Socket upper / Socket bottom	242A14050X
09/09	Socket upper / Plug bottom	242A14140X
15/15	Socket upper / Plug bottom	242A14150X
25/25	Socket upper / Plug bottom	242A14160X
37/37	Socket upper / Plug bottom	242A14170X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14370X
15/15	Plug upper / Plug bottom	241A14380X
25/25	Plug upper / Plug bottom	241A14390X
37/37	Plug upper / Plug bottom	241A14400X
09/09	Plug upper / Socket bottom	241A14490X
15/15	Plug upper / Socket bottom	241A14500X
25/25	Plug upper / Socket bottom	241A14510X
37/37	Plug upper / Socket bottom	241A14520X
09/09	Socket upper / Socket bottom	242A14260X
15/15	Socket upper / Socket bottom	242A14270X
25/25	Socket upper / Socket bottom	242A14280X
37/37	Socket upper / Socket bottom	242A14290X
09/09	Socket upper / Plug bottom	242A14380X
15/15	Socket upper / Plug bottom	242A14390X
25/25	Socket upper / Plug bottom	242A14400X
37/37	Socket upper / Plug bottom	242A14410X

## Capacitance 830 pF



VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14210X
15/15	Plug upper / Plug bottom	241A14220X
25/25	Plug upper / Plug bottom	241A14230X
37/37	Plug upper / Plug bottom	241A14240X
09/09	Plug upper / Socket bottom	241A14330X
15/15	Plug upper / Socket bottom	241A14340X
25/25	Plug upper / Socket bottom	241A14350X
37/37	Plug upper / Socket bottom	241A14360X
09/09	Socket upper / Socket bottom	242A14100X
15/15	Socket upper / Socket bottom	242A14110X
25/25	Socket upper / Socket bottom	242A14120X
37/37	Socket upper / Socket bottom	242A14130X
09/09	Socket upper / Plug bottom	242A14220X
15/15	Socket upper / Plug bottom	242A14230X
25/25	Socket upper / Plug bottom	242A14240X
37/37	Socket upper / Plug bottom	242A14250X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14450X
15/15	Plug upper / Plug bottom	241A14460X
25/25	Plug upper / Plug bottom	241A14470X
37/37	Plug upper / Plug bottom	241A14480X
09/09	Plug upper / Socket bottom	241A14570X
15/15	Plug upper / Socket bottom	241A14580X
25/25	Plug upper / Socket bottom	241A14590X
37/37	Plug upper / Socket bottom	241A14600X
09/09	Socket upper / Socket bottom	242A14340X
15/15	Socket upper / Socket bottom	242A14350X
25/25	Socket upper / Socket bottom	242A14360X
37/37	Socket upper / Socket bottom	242A14370X
09/09	Socket upper / Plug bottom	242A14460X
15/15	Socket upper / Plug bottom	242A14470X
25/25	Socket upper / Plug bottom	242A14480X
37/37	Socket upper / Plug bottom	242A14490X

## Capacitance 1300 pF

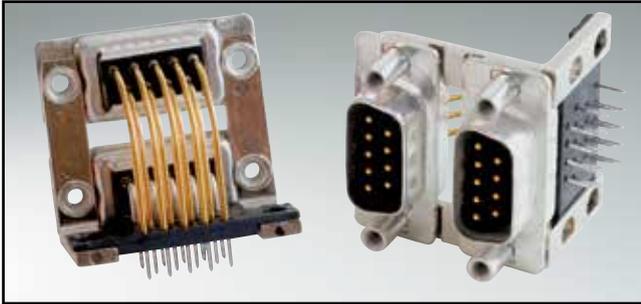


VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14170X
15/15	Plug upper / Plug bottom	241A14180X
25/25	Plug upper / Plug bottom	241A14190X
37/37	Plug upper / Plug bottom	241A14200X
09/09	Plug upper / Socket bottom	241A14290X
15/15	Plug upper / Socket bottom	241A14300X
25/25	Plug upper / Socket bottom	241A14310X
37/37	Plug upper / Socket bottom	241A14320X
09/09	Socket upper / Socket bottom	242A14060X
15/15	Socket upper / Socket bottom	242A14070X
25/25	Socket upper / Socket bottom	242A14080X
37/37	Socket upper / Socket bottom	242A14090X
09/09	Socket upper / Plug bottom	242A14180X
15/15	Socket upper / Plug bottom	242A14190X
25/25	Socket upper / Plug bottom	242A14200X
37/37	Socket upper / Plug bottom	242A14210X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14410X
15/15	Plug upper / Plug bottom	241A14420X
25/25	Plug upper / Plug bottom	241A14430X
37/37	Plug upper / Plug bottom	241A14440X
09/09	Plug upper / Socket bottom	241A14530X
15/15	Plug upper / Socket bottom	241A14540X
25/25	Plug upper / Socket bottom	241A14550X
37/37	Plug upper / Socket bottom	241A14560X
09/09	Socket upper / Socket bottom	242A14300X
15/15	Socket upper / Socket bottom	242A14310X
25/25	Socket upper / Socket bottom	242A14320X
37/37	Socket upper / Socket bottom	242A14330X
09/09	Socket upper / Plug bottom	242A14420X
15/15	Socket upper / Plug bottom	242A14430X
25/25	Socket upper / Plug bottom	242A14440X
37/37	Socket upper / Plug bottom	242A14450X

# C-FILTER D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Precision machined contacts – .750" / 19.05 mm connector spacing

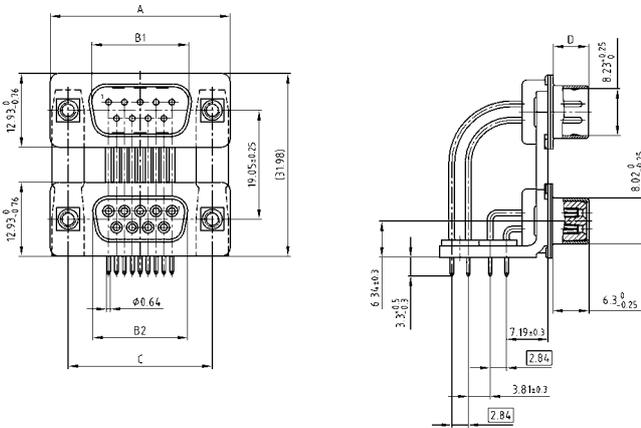


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Variations: plug – plug; socket – socket; plug – socket
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket and 4-40 UNC front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

## PRODUCT DRAWING

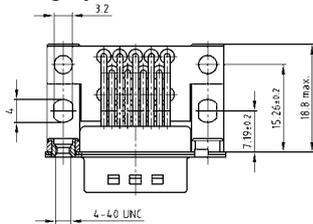


No. of pos.	A -0.76	B1 +0.25	B2 -0.25	C	D ±0.30
2X 09	31.19	16.79	16.46	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	6.12
2X 15	39.52	25.12	24.79	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	6.12
2X 25	53.42	38.84	38.50	47.04 <sup>+0.13</sup> <sub>-0.13</sub>	5.99
2X 37	69.70	55.30	54.96	63.50 <sup>+0.13</sup> <sub>-0.13</sub>	5.99

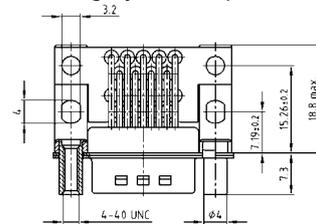
Graphically representation of only one variant!

PCB-Layout: Kat1iU5A / Kat1iU6A

Mounting style: Threaded insert



Mounting style: Front spacer



## ORDER DATA

Capacitance 180 pF



VERSION WITH 4-40 UNC THREADED INSERT			
No. of pos.	Design	Part Number	
09/09	Plug upper / Plug bottom	241A17500X	
15/15	Plug upper / Plug bottom	241A17510X	
25/25	Plug upper / Plug bottom	241A17520X	
37/37	Plug upper / Plug bottom	241A17530X	
09/09	Plug upper / Socket bottom	241A17540X	
15/15	Plug upper / Socket bottom	241A17550X	
25/25	Plug upper / Socket bottom	241A17560X	
37/37	Plug upper / Socket bottom	241A17570X	
09/09	Socket upper / Socket bottom	242A22160X	
15/15	Socket upper / Socket bottom	242A22170X	
25/25	Socket upper / Socket bottom	242A22180X	
37/37	Socket upper / Socket bottom	242A22190X	
09/09	Socket upper / Plug bottom	242A22200X	
15/15	Socket upper / Plug bottom	242A22210X	
25/25	Socket upper / Plug bottom	242A22220X	
37/37	Socket upper / Plug bottom	242A22230X	

VERSION WITH 4-40 UNC FRONT SPACER			
No. of pos.	Design	Part Number	
09/09	Plug upper / Plug bottom	241A22380X	
15/15	Plug upper / Plug bottom	241A22390X	
25/25	Plug upper / Plug bottom	241A22400X	
37/37	Plug upper / Plug bottom	241A22410X	
09/09	Plug upper / Socket bottom	241A22420X	
15/15	Plug upper / Socket bottom	241A22430X	
25/25	Plug upper / Socket bottom	241A22440X	
37/37	Plug upper / Socket bottom	241A22450X	
09/09	Socket upper / Socket bottom	242A22240X	
15/15	Socket upper / Socket bottom	242A22250X	
25/25	Socket upper / Socket bottom	242A22260X	
37/37	Socket upper / Socket bottom	242A22270X	
09/09	Socket upper / Plug bottom	242A22280X	
15/15	Socket upper / Plug bottom	242A22290X	
25/25	Socket upper / Plug bottom	242A22300X	
37/37	Socket upper / Plug bottom	242A22310X	

# C-FILTER D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Precision machined contacts – .750" / 19.05 mm connector spacing

ORDER DATA

## Capacitance 370 pF



VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14610X
15/15	Plug upper / Plug bottom	241A14620X
25/25	Plug upper / Plug bottom	241A14630X
37/37	Plug upper / Plug bottom	241A14640X
09/09	Plug upper / Socket bottom	241A14730X
15/15	Plug upper / Socket bottom	241A14740X
25/25	Plug upper / Socket bottom	241A14750X
37/37	Plug upper / Socket bottom	241A14760X
09/09	Socket upper / Socket bottom	242A14500X
15/15	Socket upper / Socket bottom	242A14510X
25/25	Socket upper / Socket bottom	242A14520X
37/37	Socket upper / Socket bottom	242A14530X
09/09	Socket upper / Plug bottom	242A14620X
15/15	Socket upper / Plug bottom	242A14630X
25/25	Socket upper / Plug bottom	242A14640X
37/37	Socket upper / Plug bottom	242A14650X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14850X
15/15	Plug upper / Plug bottom	241A14860X
25/25	Plug upper / Plug bottom	241A14870X
37/37	Plug upper / Plug bottom	241A14880X
09/09	Plug upper / Socket bottom	241A14970X
15/15	Plug upper / Socket bottom	241A14980X
25/25	Plug upper / Socket bottom	241A14990X
37/37	Plug upper / Socket bottom	241A15000X
09/09	Socket upper / Socket bottom	242A14740X
15/15	Socket upper / Socket bottom	242A14750X
25/25	Socket upper / Socket bottom	242A14760X
37/37	Socket upper / Socket bottom	242A14770X
09/09	Socket upper / Plug bottom	242A14860X
15/15	Socket upper / Plug bottom	242A14870X
25/25	Socket upper / Plug bottom	242A14880X
37/37	Socket upper / Plug bottom	242A14890X

## Capacitance 830 pF



VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14690X
15/15	Plug upper / Plug bottom	241A14700X
25/25	Plug upper / Plug bottom	241A14710X
37/37	Plug upper / Plug bottom	241A14720X
09/09	Plug upper / Socket bottom	241A14810X
15/15	Plug upper / Socket bottom	241A14820X
25/25	Plug upper / Socket bottom	241A14830X
37/37	Plug upper / Socket bottom	241A14840X
09/09	Socket upper / Socket bottom	242A14580X
15/15	Socket upper / Socket bottom	242A14590X
25/25	Socket upper / Socket bottom	242A14600X
37/37	Socket upper / Socket bottom	242A14610X
09/09	Socket upper / Plug bottom	242A14700X
15/15	Socket upper / Plug bottom	242A14710X
25/25	Socket upper / Plug bottom	242A14720X
37/37	Socket upper / Plug bottom	242A14730X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14930X
15/15	Plug upper / Plug bottom	241A14940X
25/25	Plug upper / Plug bottom	241A14950X
37/37	Plug upper / Plug bottom	241A14960X
09/09	Plug upper / Socket bottom	241A15050X
15/15	Plug upper / Socket bottom	241A15060X
25/25	Plug upper / Socket bottom	241A15070X
37/37	Plug upper / Socket bottom	241A15080X
09/09	Socket upper / Socket bottom	242A14820X
15/15	Socket upper / Socket bottom	242A14830X
25/25	Socket upper / Socket bottom	242A14840X
37/37	Socket upper / Socket bottom	242A14850X
09/09	Socket upper / Plug bottom	242A14940X
15/15	Socket upper / Plug bottom	242A14950X
25/25	Socket upper / Plug bottom	242A14960X
37/37	Socket upper / Plug bottom	242A14970X

## Capacitance 1300 pF

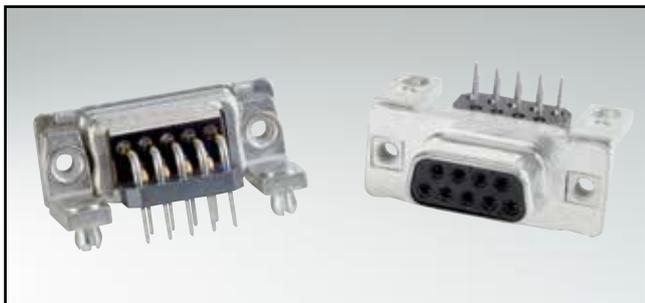


VERSION WITH 4-40 UNC THREADED INSERT		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14650X
15/15	Plug upper / Plug bottom	241A14660X
25/25	Plug upper / Plug bottom	241A14670X
37/37	Plug upper / Plug bottom	241A14680X
09/09	Plug upper / Socket bottom	241A14770X
15/15	Plug upper / Socket bottom	241A14780X
25/25	Plug upper / Socket bottom	241A14790X
37/37	Plug upper / Socket bottom	241A14800X
09/09	Socket upper / Socket bottom	242A14540X
15/15	Socket upper / Socket bottom	242A14550X
25/25	Socket upper / Socket bottom	242A14560X
37/37	Socket upper / Socket bottom	242A14570X
09/09	Socket upper / Plug bottom	242A14660X
15/15	Socket upper / Plug bottom	242A14670X
25/25	Socket upper / Plug bottom	242A14680X
37/37	Socket upper / Plug bottom	242A14690X

VERSION WITH 4-40 UNC FRONT SPACER		
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241A14890X
15/15	Plug upper / Plug bottom	241A14900X
25/25	Plug upper / Plug bottom	241A14910X
37/37	Plug upper / Plug bottom	241A14920X
09/09	Plug upper / Socket bottom	241A15010X
15/15	Plug upper / Socket bottom	241A15020X
25/25	Plug upper / Socket bottom	241A15030X
37/37	Plug upper / Socket bottom	241A15040X
09/09	Socket upper / Socket bottom	242A14780X
15/15	Socket upper / Socket bottom	242A14790X
25/25	Socket upper / Socket bottom	242A14800X
37/37	Socket upper / Socket bottom	242A14810X
09/09	Socket upper / Plug bottom	242A14900X
15/15	Socket upper / Plug bottom	242A14910X
25/25	Socket upper / Plug bottom	242A14920X
37/37	Socket upper / Plug bottom	242A14930X

# LC-FILTER D-SUB STANDARD

Solder pin – Angled – .283"/7.19 mm – Precision machined contacts – Metal bracket

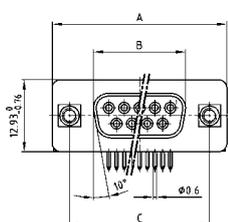


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket with 4-40 UNC threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

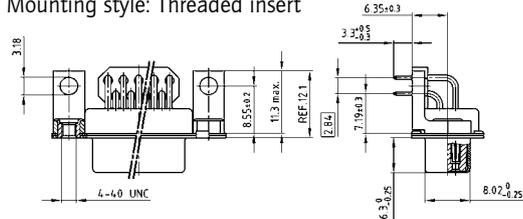
## SOCKET CONNECTOR



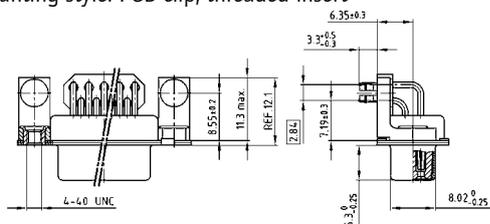
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

PCB-Layout: Kat1kGEA

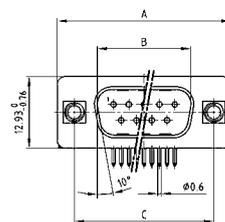
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



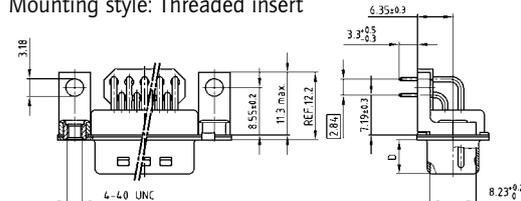
## PLUG CONNECTOR



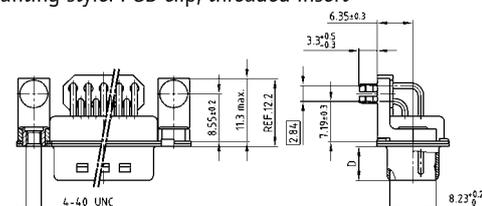
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

PCB-Layout: Kat1kGFA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A24660X
15	Threaded insert	242A24670X
25	Threaded insert	242A24680X
37	Threaded insert	242A24690X
09	PCB clip / Threaded insert	242A24820X
15	PCB clip / Threaded insert	242A24830X
25	PCB clip / Threaded insert	242A24840X
37	PCB clip / Threaded insert	242A24850X

#### PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241A24760X
15	Threaded insert	241A24770X
25	Threaded insert	241A24780X
37	Threaded insert	241A24790X
09	PCB clip / Threaded insert	241A24920X
15	PCB clip / Threaded insert	241A24930X
25	PCB clip / Threaded insert	241A24940X
37	PCB clip / Threaded insert	241A24950X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# LC-FILTER D-SUB STANDARD

Solder pin – Angled – .283"/7.19 mm – Precision machined contacts – Metal bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A24700X	09	Threaded insert	241A24800X
15	Threaded insert	242A24710X	15	Threaded insert	241A24810X
25	Threaded insert	242A24720X	25	Threaded insert	241A24820X
37	Threaded insert	242A24730X	37	Threaded insert	241A24830X
09	PCB clip / Threaded insert	242A24860X	09	PCB clip / Threaded insert	241A24960X
15	PCB clip / Threaded insert	242A24870X	15	PCB clip / Threaded insert	241A24970X
25	PCB clip / Threaded insert	242A24880X	25	PCB clip / Threaded insert	241A24980X
37	PCB clip / Threaded insert	242A24890X	37	PCB clip / Threaded insert	241A24990X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A24740X	09	Threaded insert	241A24840X
15	Threaded insert	242A24750X	15	Threaded insert	241A24850X
25	Threaded insert	242A24760X	25	Threaded insert	241A24860X
37	Threaded insert	242A24770X	37	Threaded insert	241A24870X
09	PCB clip / Threaded insert	242A24900X	09	PCB clip / Threaded insert	241A25000X
15	PCB clip / Threaded insert	242A24910X	15	PCB clip / Threaded insert	241A25010X
25	PCB clip / Threaded insert	242A24920X	25	PCB clip / Threaded insert	241A25020X
37	PCB clip / Threaded insert	242A24930X	37	PCB clip / Threaded insert	241A25030X

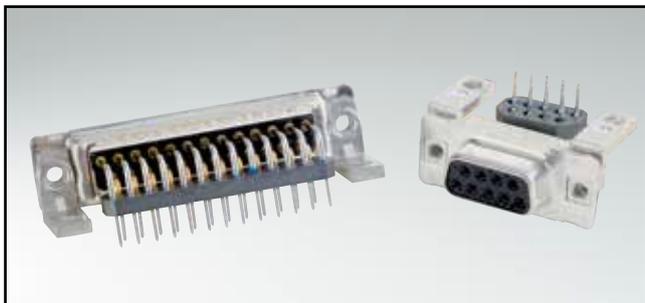
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A24780X	09	Threaded insert	241A24880X
15	Threaded insert	242A24790X	15	Threaded insert	241A24890X
25	Threaded insert	242A24800X	25	Threaded insert	241A24900X
37	Threaded insert	242A24810X	37	Threaded insert	241A24910X
09	PCB clip / Threaded insert	242A24940X	09	PCB clip / Threaded insert	241A25040X
15	PCB clip / Threaded insert	242A24950X	15	PCB clip / Threaded insert	241A25050X
25	PCB clip / Threaded insert	242A24960X	25	PCB clip / Threaded insert	241A25060X
37	PCB clip / Threaded insert	242A24970X	37	PCB clip / Threaded insert	241A25070X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# LC-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Metal bracket

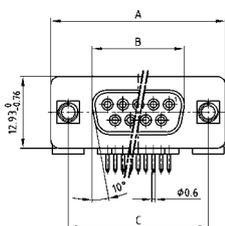


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket with 4-40 UNC or M3 threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

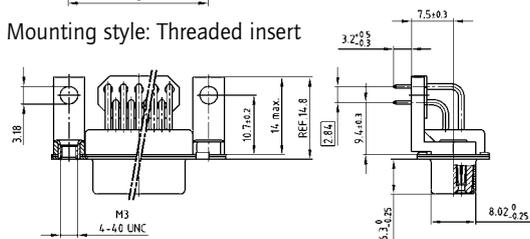
## SOCKET CONNECTOR



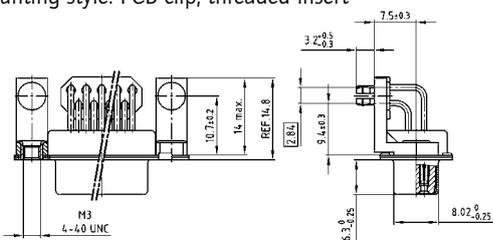
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

PCB-Layout: Kat1kGGA

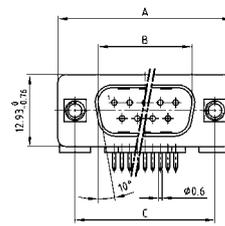
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



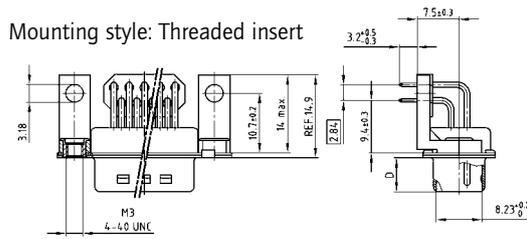
## PLUG CONNECTOR



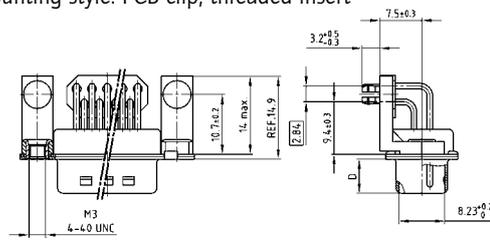
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

PCB-Layout: Kat1kGHA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242A24980X
15	4-40 UNC Threaded insert	242A24990X
25	4-40 UNC Threaded insert	242A25000X
37	4-40 UNC Threaded insert	242A25010X
09	M3 Threaded insert	242A25140X
15	M3 Threaded insert	242A25150X
25	M3 Threaded insert	242A25160X
37	M3 Threaded insert	242A25170X
09	PCB clip / 4-40 UNC Threaded insert	242A25300X
15	PCB clip / 4-40 UNC Threaded insert	242A25310X
25	PCB clip / 4-40 UNC Threaded insert	242A25320X
37	PCB clip / 4-40 UNC Threaded insert	242A25330X
09	PCB clip / M3 Threaded insert	242A25460X
15	PCB clip / M3 Threaded insert	242A25470X
25	PCB clip / M3 Threaded insert	242A25480X
37	PCB clip / M3 Threaded insert	242A25490X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	241A25080X
15	4-40 UNC Threaded insert	241A25090X
25	4-40 UNC Threaded insert	241A25100X
37	4-40 UNC Threaded insert	241A25110X
09	M3 Threaded insert	241A25240X
15	M3 Threaded insert	241A25250X
25	M3 Threaded insert	241A25260X
37	M3 Threaded insert	241A25270X
09	PCB clip / 4-40 UNC Threaded insert	241A25400X
15	PCB clip / 4-40 UNC Threaded insert	241A25410X
25	PCB clip / 4-40 UNC Threaded insert	241A25420X
37	PCB clip / 4-40 UNC Threaded insert	241A25430X
09	PCB clip / M3 Threaded insert	241A25560X
15	PCB clip / M3 Threaded insert	241A25570X
25	PCB clip / M3 Threaded insert	241A25580X
37	PCB clip / M3 Threaded insert	241A25590X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# LC-FILTER D-SUB STANDARD

Solder pin – Angled – .370"/9.4 mm – Precision machined contacts – Metal bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242A25020X	09	4-40 UNC Threaded insert	241A25120X
15	4-40 UNC Threaded insert	242A25030X	15	4-40 UNC Threaded insert	241A25130X
25	4-40 UNC Threaded insert	242A25040X	25	4-40 UNC Threaded insert	241A25140X
37	4-40 UNC Threaded insert	242A25050X	37	4-40 UNC Threaded insert	241A25150X
09	M3 Threaded insert	242A25180X	09	M3 Threaded insert	241A25280X
15	M3 Threaded insert	242A25190X	15	M3 Threaded insert	241A25290X
25	M3 Threaded insert	242A25200X	25	M3 Threaded insert	241A25300X
37	M3 Threaded insert	242A25210X	37	M3 Threaded insert	241A25310X
09	PCB clip / 4-40 UNC Threaded insert	242A25340X	09	PCB clip / 4-40 UNC Threaded insert	241A25440X
15	PCB clip / 4-40 UNC Threaded insert	242A25350X	15	PCB clip / 4-40 UNC Threaded insert	241A25450X
25	PCB clip / 4-40 UNC Threaded insert	242A25360X	25	PCB clip / 4-40 UNC Threaded insert	241A25460X
37	PCB clip / 4-40 UNC Threaded insert	242A25370X	37	PCB clip / 4-40 UNC Threaded insert	241A25470X
09	PCB clip / M3 Threaded insert	242A25500X	09	PCB clip / M3 Threaded insert	241A25600X
15	PCB clip / M3 Threaded insert	242A25510X	15	PCB clip / M3 Threaded insert	241A25610X
25	PCB clip / M3 Threaded insert	242A25520X	25	PCB clip / M3 Threaded insert	241A25620X
37	PCB clip / M3 Threaded insert	242A25530X	37	PCB clip / M3 Threaded insert	241A25630X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242A25060X	09	4-40 UNC Threaded insert	241A25160X
15	4-40 UNC Threaded insert	242A25070X	15	4-40 UNC Threaded insert	241A25170X
25	4-40 UNC Threaded insert	242A25080X	25	4-40 UNC Threaded insert	241A25180X
37	4-40 UNC Threaded insert	242A25090X	37	4-40 UNC Threaded insert	241A25190X
09	M3 Threaded insert	242A25220X	09	M3 Threaded insert	241A25320X
15	M3 Threaded insert	242A25230X	15	M3 Threaded insert	241A25330X
25	M3 Threaded insert	242A25240X	25	M3 Threaded insert	241A25340X
37	M3 Threaded insert	242A25250X	37	M3 Threaded insert	241A25350X
09	PCB clip / 4-40 UNC Threaded insert	242A25380X	09	PCB clip / 4-40 UNC Threaded insert	241A25480X
15	PCB clip / 4-40 UNC Threaded insert	242A25390X	15	PCB clip / 4-40 UNC Threaded insert	241A25490X
25	PCB clip / 4-40 UNC Threaded insert	242A25400X	25	PCB clip / 4-40 UNC Threaded insert	241A25500X
37	PCB clip / 4-40 UNC Threaded insert	242A25410X	37	PCB clip / 4-40 UNC Threaded insert	241A25510X
09	PCB clip / M3 Threaded insert	242A25540X	09	PCB clip / M3 Threaded insert	241A25640X
15	PCB clip / M3 Threaded insert	242A25550X	15	PCB clip / M3 Threaded insert	241A25650X
25	PCB clip / M3 Threaded insert	242A25560X	25	PCB clip / M3 Threaded insert	241A25660X
37	PCB clip / M3 Threaded insert	242A25570X	37	PCB clip / M3 Threaded insert	241A25670X

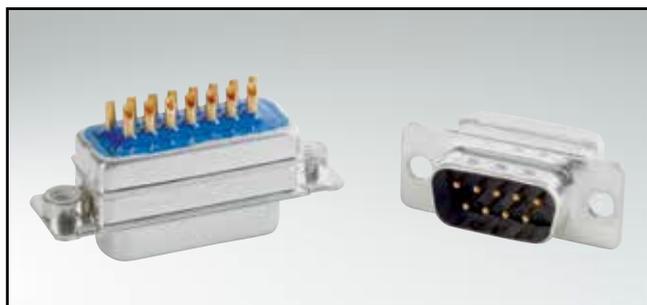
**Capacitance 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242A25100X	09	4-40 UNC Threaded insert	241A25200X
15	4-40 UNC Threaded insert	242A25110X	15	4-40 UNC Threaded insert	241A25210X
25	4-40 UNC Threaded insert	242A25120X	25	4-40 UNC Threaded insert	241A25220X
37	4-40 UNC Threaded insert	242A25130X	37	4-40 UNC Threaded insert	241A25230X
09	M3 Threaded insert	242A25260X	09	M3 Threaded insert	241A25360X
15	M3 Threaded insert	242A25270X	15	M3 Threaded insert	241A25370X
25	M3 Threaded insert	242A25280X	25	M3 Threaded insert	241A25380X
37	M3 Threaded insert	242A25290X	37	M3 Threaded insert	241A25390X
09	PCB clip / 4-40 UNC Threaded insert	242A25420X	09	PCB clip / 4-40 UNC Threaded insert	241A25520X
15	PCB clip / 4-40 UNC Threaded insert	242A25430X	15	PCB clip / 4-40 UNC Threaded insert	241A25530X
25	PCB clip / 4-40 UNC Threaded insert	242A25440X	25	PCB clip / 4-40 UNC Threaded insert	241A25540X
37	PCB clip / 4-40 UNC Threaded insert	242A25450X	37	PCB clip / 4-40 UNC Threaded insert	241A25550X
09	PCB clip / M3 Threaded insert	242A25580X	09	PCB clip / M3 Threaded insert	241A25680X
15	PCB clip / M3 Threaded insert	242A25590X	15	PCB clip / M3 Threaded insert	241A25690X
25	PCB clip / M3 Threaded insert	242A25600X	25	PCB clip / M3 Threaded insert	241A25700X
37	PCB clip / M3 Threaded insert	242A25610X	37	PCB clip / M3 Threaded insert	241A25710X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# π-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 20

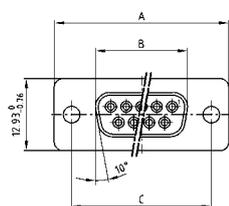


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

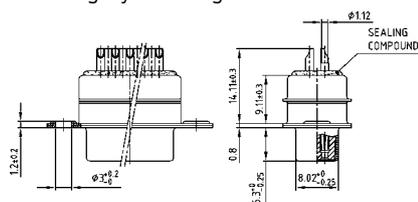
- Suitable for wire size AWG 20
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

## SOCKET CONNECTOR

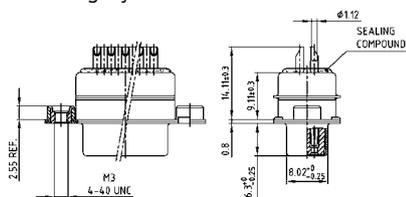


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

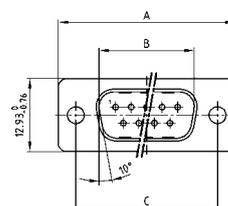
Mounting style: Through-hole



Mounting style: Threaded insert

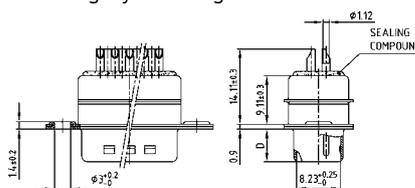


## PLUG CONNECTOR

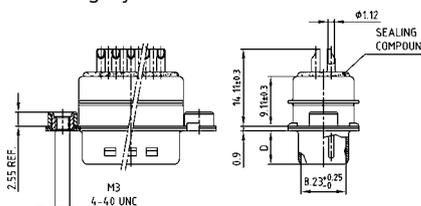


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

Capacitance 2 x 180 pF

### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242A28980X
15	Through-hole	242A28990X
25	Through-hole	242A29000X
37	Through-hole	242A29010X
09	4-40 UNC Threaded insert	242A29140X
15	4-40 UNC Threaded insert	242A29150X
25	4-40 UNC Threaded insert	242A29160X
37	4-40 UNC Threaded insert	242A29170X
09	M3 Threaded insert	242A29300X
15	M3 Threaded insert	242A29310X
25	M3 Threaded insert	242A29320X
37	M3 Threaded insert	242A29330X

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241A29080X
15	Through-hole	241A29090X
25	Through-hole	241A29100X
37	Through-hole	241A29110X
09	4-40 UNC Threaded insert	241A29240X
15	4-40 UNC Threaded insert	241A29250X
25	4-40 UNC Threaded insert	241A29260X
37	4-40 UNC Threaded insert	241A29270X
09	M3 Threaded insert	241A29400X
15	M3 Threaded insert	241A29410X
25	M3 Threaded insert	241A29420X
37	M3 Threaded insert	241A29430X

# π-FILTER D-SUB STANDARD

Solder cup – Precision machined contacts – For wire size AWG 20

**ORDER DATA**

**Capacitance 2 x 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A29020X	09	Through-hole	241A29120X
15	Through-hole	242A29030X	15	Through-hole	241A29130X
25	Through-hole	242A29040X	25	Through-hole	241A29140X
37	Through-hole	242A29050X	37	Through-hole	241A29150X
09	4-40 UNC Threaded insert	242A29180X	09	4-40 UNC Threaded insert	241A29280X
15	4-40 UNC Threaded insert	242A29190X	15	4-40 UNC Threaded insert	241A29290X
25	4-40 UNC Threaded insert	242A29200X	25	4-40 UNC Threaded insert	241A29300X
37	4-40 UNC Threaded insert	242A29210X	37	4-40 UNC Threaded insert	241A29310X
09	M3 Threaded insert	242A29340X	09	M3 Threaded insert	241A29440X
15	M3 Threaded insert	242A29350X	15	M3 Threaded insert	241A29450X
25	M3 Threaded insert	242A29360X	25	M3 Threaded insert	241A29460X
37	M3 Threaded insert	242A29370X	37	M3 Threaded insert	241A29470X

**Capacitance 2 x 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A29060X	09	Through-hole	241A29160X
15	Through-hole	242A29070X	15	Through-hole	241A29170X
25	Through-hole	242A29080X	25	Through-hole	241A29180X
37	Through-hole	242A29090X	37	Through-hole	241A29190X
09	4-40 UNC Threaded insert	242A29220X	09	4-40 UNC Threaded insert	241A29320X
15	4-40 UNC Threaded insert	242A29230X	15	4-40 UNC Threaded insert	241A29330X
25	4-40 UNC Threaded insert	242A29240X	25	4-40 UNC Threaded insert	241A29340X
37	4-40 UNC Threaded insert	242A29250X	37	4-40 UNC Threaded insert	241A29350X
09	M3 Threaded insert	242A29380X	09	M3 Threaded insert	241A29480X
15	M3 Threaded insert	242A29390X	15	M3 Threaded insert	241A29490X
25	M3 Threaded insert	242A29400X	25	M3 Threaded insert	241A29500X
37	M3 Threaded insert	242A29410X	37	M3 Threaded insert	241A29510X

**Capacitance 2 x 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	Through-hole	242A29100X	09	Through-hole	241A29200X
15	Through-hole	242A29110X	15	Through-hole	241A29210X
25	Through-hole	242A29120X	25	Through-hole	241A29220X
37	Through-hole	242A29130X	37	Through-hole	241A29230X
09	4-40 UNC Threaded insert	242A29260X	09	4-40 UNC Threaded insert	241A29360X
15	4-40 UNC Threaded insert	242A29270X	15	4-40 UNC Threaded insert	241A29370X
25	4-40 UNC Threaded insert	242A29280X	25	4-40 UNC Threaded insert	241A29380X
37	4-40 UNC Threaded insert	242A29290X	37	4-40 UNC Threaded insert	241A29390X
09	M3 Threaded insert	242A29420X	09	M3 Threaded insert	241A29520X
15	M3 Threaded insert	242A29430X	15	M3 Threaded insert	241A29530X
25	M3 Threaded insert	242A29440X	25	M3 Threaded insert	241A29540X
37	M3 Threaded insert	242A29450X	37	M3 Threaded insert	241A29550X

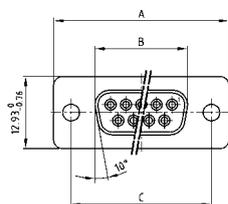
# π-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

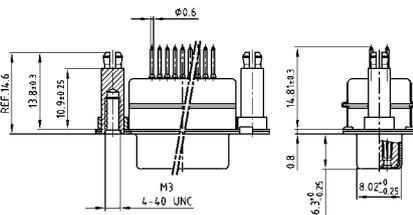
## SOCKET CONNECTOR



No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

PCB-Layout: Kat1kFUA

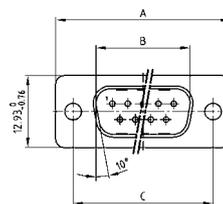
Mounting style: Threaded rear spacer with PCB clip



## DESCRIPTION

- Mounting style: with 4-40 UNC or M3 threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

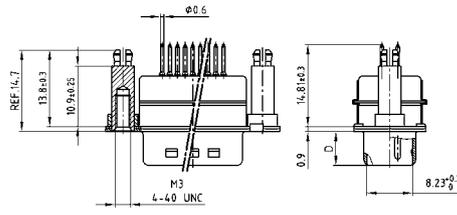
## PLUG CONNECTOR



No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

PCB-Layout: Kat1kFUA

Mounting style: Threaded rear spacer with PCB clip



## ORDER DATA

Capacitance 2 x 180 pF

### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242A26260X
15	4-40 UNC Threaded rear spacer PCB clip	242A26270X
25	4-40 UNC Threaded rear spacer PCB clip	242A26280X
37	4-40 UNC Threaded rear spacer PCB clip	242A26290X
09	M3 Threaded rear spacer PCB clip	242A26420X
15	M3 Threaded rear spacer PCB clip	242A26430X
25	M3 Threaded rear spacer PCB clip	242A26440X
37	M3 Threaded rear spacer PCB clip	242A26450X

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241A26360X
15	4-40 UNC Threaded rear spacer PCB clip	241A26370X
25	4-40 UNC Threaded rear spacer PCB clip	241A26380X
37	4-40 UNC Threaded rear spacer PCB clip	241A26390X
09	M3 Threaded rear spacer PCB clip	241A26520X
15	M3 Threaded rear spacer PCB clip	241A26530X
25	M3 Threaded rear spacer PCB clip	241A26540X
37	M3 Threaded rear spacer PCB clip	241A26550X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# π-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

**Capacitance 2 x 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242A26300X	09	4-40 UNC Threaded rear spacer PCB clip	241A26400X
15	4-40 UNC Threaded rear spacer PCB clip	242A26310X	15	4-40 UNC Threaded rear spacer PCB clip	241A26410X
25	4-40 UNC Threaded rear spacer PCB clip	242A26320X	25	4-40 UNC Threaded rear spacer PCB clip	241A26420X
37	4-40 UNC Threaded rear spacer PCB clip	242A26330X	37	4-40 UNC Threaded rear spacer PCB clip	241A26430X
09	M3 Threaded rear spacer PCB clip	242A26460X	09	M3 Threaded rear spacer PCB clip	241A26560X
15	M3 Threaded rear spacer PCB clip	242A26470X	15	M3 Threaded rear spacer PCB clip	241A26570X
25	M3 Threaded rear spacer PCB clip	242A26480X	25	M3 Threaded rear spacer PCB clip	241A26580X
37	M3 Threaded rear spacer PCB clip	242A26490X	37	M3 Threaded rear spacer PCB clip	241A26590X

**Capacitance 2 x 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242A26340X	09	4-40 UNC Threaded rear spacer PCB clip	241A26440X
15	4-40 UNC Threaded rear spacer PCB clip	242A26350X	15	4-40 UNC Threaded rear spacer PCB clip	241A26450X
25	4-40 UNC Threaded rear spacer PCB clip	242A26360X	25	4-40 UNC Threaded rear spacer PCB clip	241A26460X
37	4-40 UNC Threaded rear spacer PCB clip	242A26370X	37	4-40 UNC Threaded rear spacer PCB clip	241A26470X
09	M3 Threaded rear spacer PCB clip	242A26500X	09	M3 Threaded rear spacer PCB clip	241A26600X
15	M3 Threaded rear spacer PCB clip	242A26510X	15	M3 Threaded rear spacer PCB clip	241A26610X
25	M3 Threaded rear spacer PCB clip	242A26520X	25	M3 Threaded rear spacer PCB clip	241A26620X
37	M3 Threaded rear spacer PCB clip	242A26530X	37	M3 Threaded rear spacer PCB clip	241A26630X

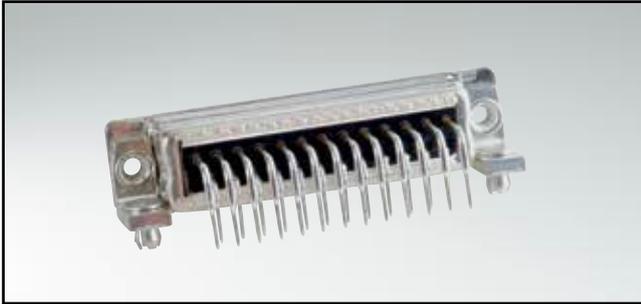
**Capacitance 2 x 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242A26380X	09	4-40 UNC Threaded rear spacer PCB clip	241A26480X
15	4-40 UNC Threaded rear spacer PCB clip	242A26390X	15	4-40 UNC Threaded rear spacer PCB clip	241A26490X
25	4-40 UNC Threaded rear spacer PCB clip	242A26400X	25	4-40 UNC Threaded rear spacer PCB clip	241A26500X
37	4-40 UNC Threaded rear spacer PCB clip	242A26410X	37	4-40 UNC Threaded rear spacer PCB clip	241A26510X
09	M3 Threaded rear spacer PCB clip	242A26540X	09	M3 Threaded rear spacer PCB clip	241A26640X
15	M3 Threaded rear spacer PCB clip	242A26550X	15	M3 Threaded rear spacer PCB clip	241A26650X
25	M3 Threaded rear spacer PCB clip	242A26560X	25	M3 Threaded rear spacer PCB clip	241A26660X
37	M3 Threaded rear spacer PCB clip	242A26570X	37	M3 Threaded rear spacer PCB clip	241A26670X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# π-FILTER D-SUB STANDARD

Solder pin – Angled – .590" / 14.19 mm – Precision machined contacts – Metal Bracket

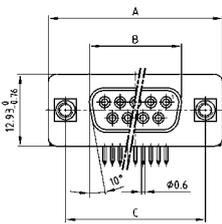


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - Mounting bracket with 4-40 UNC threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

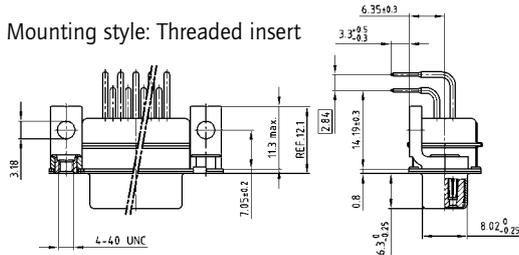
## SOCKET CONNECTOR



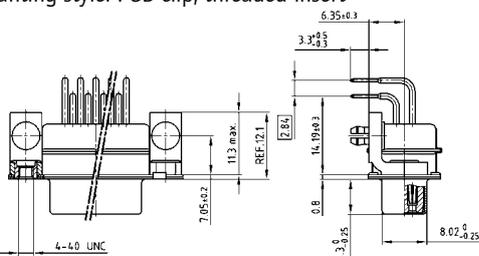
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
15	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
25	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
37	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>

PCB-Layout: Kat1kGXA

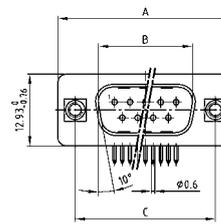
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



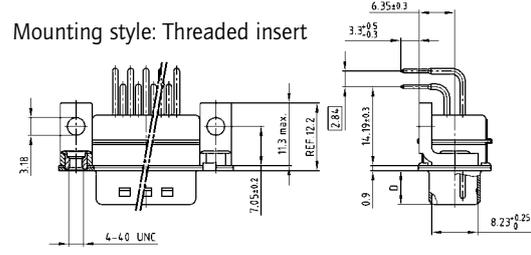
## PLUG CONNECTOR



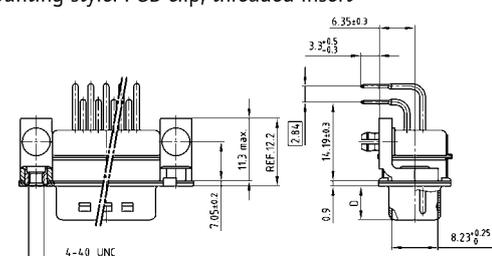
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

PCB-Layout: Kat1kGYA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

Capacitance 2 x 180 pF

### SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A25940X
15	Threaded insert	242A25950X
25	Threaded insert	242A25960X
37	Threaded insert	242A25970X
09	PCB clip / Threaded insert	242A26100X
15	PCB clip / Threaded insert	242A26110X
25	PCB clip / Threaded insert	242A26120X
37	PCB clip / Threaded insert	242A26130X

### PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241A26040X
15	Threaded insert	241A26050X
25	Threaded insert	241A26060X
37	Threaded insert	241A26070X
09	PCB clip / Threaded insert	241A26200X
15	PCB clip / Threaded insert	241A26210X
25	PCB clip / Threaded insert	241A26220X
37	PCB clip / Threaded insert	241A26230X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# π-FILTER D-SUB STANDARD

Solder pin – Angled – .590" / 14.19 mm – Precision machined contacts – Metal Bracket

**ORDER DATA**

**Capacitance 2 x 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A25980X	09	Threaded insert	241A26080X
15	Threaded insert	242A25990X	15	Threaded insert	241A26090X
25	Threaded insert	242A26000X	25	Threaded insert	241A26100X
37	Threaded insert	242A26010X	37	Threaded insert	241A26110X
09	PCB clip / Threaded insert	242A26140X	09	PCB clip / Threaded insert	241A26240X
15	PCB clip / Threaded insert	242A26150X	15	PCB clip / Threaded insert	241A26250X
25	PCB clip / Threaded insert	242A26160X	25	PCB clip / Threaded insert	241A26260X
37	PCB clip / Threaded insert	242A26170X	37	PCB clip / Threaded insert	241A26270X

**Capacitance 2 x 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A26020X	09	Threaded insert	241A26120X
15	Threaded insert	242A26030X	15	Threaded insert	241A26130X
25	Threaded insert	242A26040X	25	Threaded insert	241A26140X
37	Threaded insert	242A26050X	37	Threaded insert	241A26150X
09	PCB clip / Threaded insert	242A26180X	09	PCB clip / Threaded insert	241A26280X
15	PCB clip / Threaded insert	242A26190X	15	PCB clip / Threaded insert	241A26290X
25	PCB clip / Threaded insert	242A26200X	25	PCB clip / Threaded insert	241A26300X
37	PCB clip / Threaded insert	242A26210X	37	PCB clip / Threaded insert	241A26310X

**Capacitance 2 x 1300 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242A26060X	09	Threaded insert	241A26160X
15	Threaded insert	242A26070X	15	Threaded insert	241A26170X
25	Threaded insert	242A26080X	25	Threaded insert	241A26180X
37	Threaded insert	242A26090X	37	Threaded insert	241A26190X
09	PCB clip / Threaded insert	242A26220X	09	PCB clip / Threaded insert	241A26320X
15	PCB clip / Threaded insert	242A26230X	15	PCB clip / Threaded insert	241A26330X
25	PCB clip / Threaded insert	242A26240X	25	PCB clip / Threaded insert	241A26340X
37	PCB clip / Threaded insert	242A26250X	37	PCB clip / Threaded insert	241A26350X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

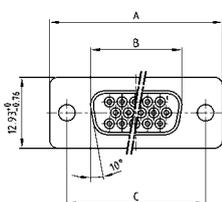


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with through-hole,  $\varnothing .118"/3 \text{ mm}$
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

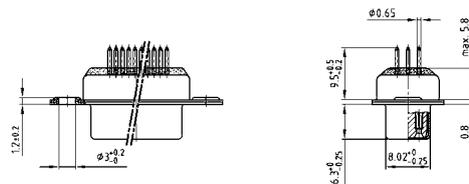
## SOCKET CONNECTOR



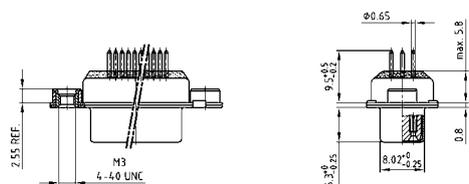
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 $+0.12$ $-0.13$
26	39.52	24.79	33.30 $+0.15$ $-0.10$
44	53.42	38.50	47.04 $\pm 0.13$
62	69.70	54.96	63.50 $\pm 0.13$

PCB-Layout: Kat1iI9A

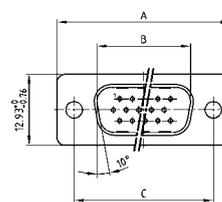
Mounting style: Through-hole



Mounting style: Threaded insert



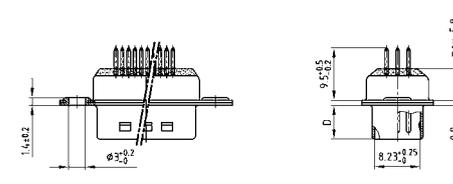
## PLUG CONNECTOR



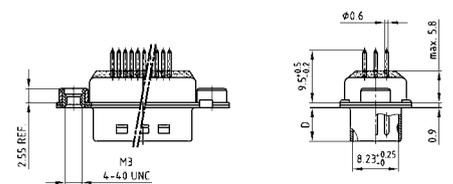
No. of pos.	A -0.76	B -0.25	C	D -0.3
15	31.19	16.79	25.00 $+0.12$ $-0.13$	6.12
26	39.52	25.12	33.30 $+0.15$ $-0.10$	6.12
44	53.42	38.84	47.04 $\pm 0.13$	5.99
62	69.70	55.30	63.50 $\pm 0.13$	5.99

PCB-Layout: Kat1iU0A

Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
15	Through-hole	242A27380X
26	Through-hole	242A27390X
44	Through-hole	242A27400X
62	Through-hole	242A27410X
15	4-40 UNC Threaded insert	242A27420X
26	4-40 UNC Threaded insert	242A27430X
44	4-40 UNC Threaded insert	242A27440X
62	4-40 UNC Threaded insert	242A27450X
15	M3 Threaded insert	242A27460X
26	M3 Threaded insert	242A27470X
44	M3 Threaded insert	242A27480X
62	M3 Threaded insert	242A27490X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
15	Through-hole	241A27480X
26	Through-hole	241A27490X
44	Through-hole	241A27500X
62	Through-hole	241A27510X
15	4-40 UNC Threaded insert	241A27520X
26	4-40 UNC Threaded insert	241A27530X
44	4-40 UNC Threaded insert	241A27540X
62	4-40 UNC Threaded insert	241A27550X
15	M3 Threaded insert	241A27560X
26	M3 Threaded insert	241A27570X
44	M3 Threaded insert	241A27580X
62	M3 Threaded insert	241A27590X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	Through-hole	242A17980X	15	Through-hole	241A16380X
26	Through-hole	242A17990X	26	Through-hole	241A16390X
44	Through-hole	242A18000X	44	Through-hole	241A16400X
62	Through-hole	242A18010X	62	Through-hole	241A16410X
15	4-40 UNC Threaded insert	242A18060X	15	4-40 UNC Threaded insert	241A16460X
26	4-40 UNC Threaded insert	242A18070X	26	4-40 UNC Threaded insert	241A16470X
44	4-40 UNC Threaded insert	242A18080X	44	4-40 UNC Threaded insert	241A16480X
62	4-40 UNC Threaded insert	242A18090X	62	4-40 UNC Threaded insert	241A16490X
15	M3 Threaded insert	242A18140X	15	M3 Threaded insert	241A16540X
26	M3 Threaded insert	242A18150X	26	M3 Threaded insert	241A16550X
44	M3 Threaded insert	242A18160X	44	M3 Threaded insert	241A16560X
62	M3 Threaded insert	242A18170X	62	M3 Threaded insert	241A16570X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	Through-hole	242A18020X	15	Through-hole	241A16420X
26	Through-hole	242A18030X	26	Through-hole	241A16430X
44	Through-hole	242A18040X	44	Through-hole	241A16440X
62	Through-hole	242A18050X	62	Through-hole	241A16450X
15	4-40 UNC Threaded insert	242A18100X	15	4-40 UNC Threaded insert	241A16500X
26	4-40 UNC Threaded insert	242A18110X	26	4-40 UNC Threaded insert	241A16510X
44	4-40 UNC Threaded insert	242A18120X	44	4-40 UNC Threaded insert	241A16520X
62	4-40 UNC Threaded insert	242A18130X	62	4-40 UNC Threaded insert	241A16530X
15	M3 Threaded insert	242A18180X	15	M3 Threaded insert	241A16580X
26	M3 Threaded insert	242A18190X	26	M3 Threaded insert	241A16590X
44	M3 Threaded insert	242A18200X	44	M3 Threaded insert	241A16600X
62	M3 Threaded insert	242A18210X	62	M3 Threaded insert	241A16610X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

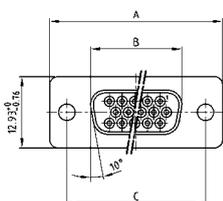


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded rear spacer
  - with 4-40 UNC or M3 front and threaded rear spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

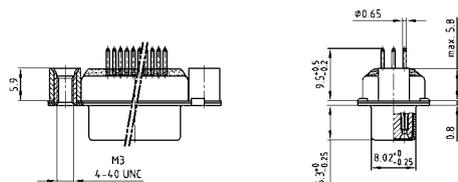
## SOCKET CONNECTOR



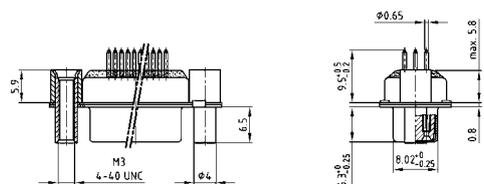
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
26	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
44	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
62	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

PCB-Layout: Kat1iI9A

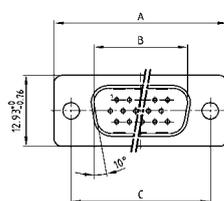
Mounting style: Threaded rear spacer



Mounting style: Front and threaded rear spacer



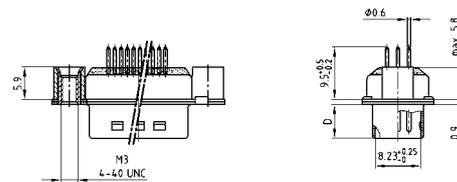
## PLUG CONNECTOR



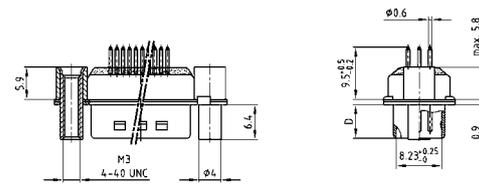
No. of pos.	A -0.76	B -0.25	C	D -0.3
15	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
26	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
44	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
62	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

PCB-Layout: Kat1iU0A

Mounting style: Threaded rear spacer



Mounting style: Front and threaded rear spacer



## ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	242A27500X
26	4-40 UNC Threaded rear spacer	242A27510X
44	4-40 UNC Threaded rear spacer	242A27520X
62	4-40 UNC Threaded rear spacer	242A27530X
15	M3 Threaded rear spacer	242A27540X
26	M3 Threaded rear spacer	242A27550X
44	M3 Threaded rear spacer	242A27560X
62	M3 Threaded rear spacer	242A27570X
15	4-40 UNC Front/Threaded rear spacer	242A27580X
26	4-40 UNC Front/Threaded rear spacer	242A27590X
44	4-40 UNC Front/Threaded rear spacer	242A27600X
62	4-40 UNC Front/Threaded rear spacer	242A27610X
15	M3 Front/Threaded rear spacer	242A27620X
26	M3 Front/Threaded rear spacer	242A27630X
44	M3 Front/Threaded rear spacer	242A27640X
62	M3 Front/Threaded rear spacer	242A27650X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	241A27600X
26	4-40 UNC Threaded rear spacer	241A27610X
44	4-40 UNC Threaded rear spacer	241A27620X
62	4-40 UNC Threaded rear spacer	241A27630X
15	M3 Threaded rear spacer	241A27640X
26	M3 Threaded rear spacer	241A27650X
44	M3 Threaded rear spacer	241A27660X
62	M3 Threaded rear spacer	241A27670X
15	4-40 UNC Front/Threaded rear spacer	241A27680X
26	4-40 UNC Front/Threaded rear spacer	241A27690X
44	4-40 UNC Front/Threaded rear spacer	241A27700X
62	4-40 UNC Front/Threaded rear spacer	241A27710X
15	M3 Front/Threaded rear spacer	241A27720X
26	M3 Front/Threaded rear spacer	241A27730X
44	M3 Front/Threaded rear spacer	241A27740X
62	M3 Front/Threaded rear spacer	241A27750X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	242A18220X	15	4-40 UNC Threaded rear spacer	241A16620X
26	4-40 UNC Threaded rear spacer	242A18230X	26	4-40 UNC Threaded rear spacer	241A16630X
44	4-40 UNC Threaded rear spacer	242A18240X	44	4-40 UNC Threaded rear spacer	241A16640X
62	4-40 UNC Threaded rear spacer	242A18250X	62	4-40 UNC Threaded rear spacer	241A16650X
15	M3 Threaded rear spacer	242A18300X	15	M3 Threaded rear spacer	241A16700X
26	M3 Threaded rear spacer	242A18310X	26	M3 Threaded rear spacer	241A16710X
44	M3 Threaded rear spacer	242A18320X	44	M3 Threaded rear spacer	241A16720X
62	M3 Threaded rear spacer	242A18330X	62	M3 Threaded rear spacer	241A16730X
15	4-40 UNC Front/Threaded rear spacer	242A18380X	15	4-40 UNC Front/Threaded rear spacer	241A16780X
26	4-40 UNC Front/Threaded rear spacer	242A18390X	26	4-40 UNC Front/Threaded rear spacer	241A16790X
44	4-40 UNC Front/Threaded rear spacer	242A18400X	44	4-40 UNC Front/Threaded rear spacer	241A16800X
62	4-40 UNC Front/Threaded rear spacer	242A18410X	62	4-40 UNC Front/Threaded rear spacer	241A16810X
15	M3 Front/Threaded rear spacer	242A18460X	15	M3 Front/Threaded rear spacer	241A16860X
26	M3 Front/Threaded rear spacer	242A18470X	26	M3 Front/Threaded rear spacer	241A16870X
44	M3 Front/Threaded rear spacer	242A18480X	44	M3 Front/Threaded rear spacer	241A16880X
62	M3 Front/Threaded rear spacer	242A18490X	62	M3 Front/Threaded rear spacer	241A16890X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	242A18260X	15	4-40 UNC Threaded rear spacer	241A16660X
26	4-40 UNC Threaded rear spacer	242A18270X	26	4-40 UNC Threaded rear spacer	241A16670X
44	4-40 UNC Threaded rear spacer	242A18280X	44	4-40 UNC Threaded rear spacer	241A16680X
62	4-40 UNC Threaded rear spacer	242A18290X	62	4-40 UNC Threaded rear spacer	241A16690X
15	M3 Threaded rear spacer	242A18340X	15	M3 Threaded rear spacer	241A16740X
26	M3 Threaded rear spacer	242A18350X	26	M3 Threaded rear spacer	241A16750X
44	M3 Threaded rear spacer	242A18360X	44	M3 Threaded rear spacer	241A16760X
62	M3 Threaded rear spacer	242A18370X	62	M3 Threaded rear spacer	241A16770X
15	4-40 UNC Front/Threaded rear spacer	242A18420X	15	4-40 UNC Front/Threaded rear spacer	241A16820X
26	4-40 UNC Front/Threaded rear spacer	242A18430X	26	4-40 UNC Front/Threaded rear spacer	241A16830X
44	4-40 UNC Front/Threaded rear spacer	242A18440X	44	4-40 UNC Front/Threaded rear spacer	241A16840X
62	4-40 UNC Front/Threaded rear spacer	242A18450X	62	4-40 UNC Front/Threaded rear spacer	241A16850X
15	M3 Front/Threaded rear spacer	242A18500X	15	M3 Front/Threaded rear spacer	241A16900X
26	M3 Front/Threaded rear spacer	242A18510X	26	M3 Front/Threaded rear spacer	241A16910X
44	M3 Front/Threaded rear spacer	242A18520X	44	M3 Front/Threaded rear spacer	241A16920X
62	M3 Front/Threaded rear spacer	242A18530X	62	M3 Front/Threaded rear spacer	241A16930X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

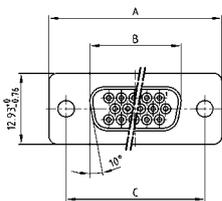


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
  - with 4-40 UNC or M3 front and threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

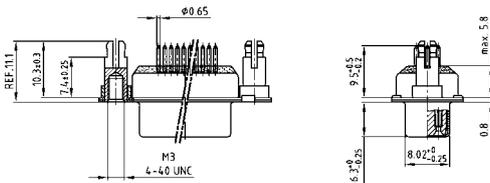
## SOCKET CONNECTOR



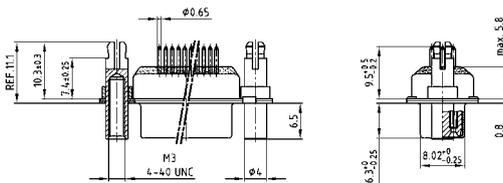
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
26	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.16</sub>
44	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>
62	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>

PCB-Layout: Kat1i19A

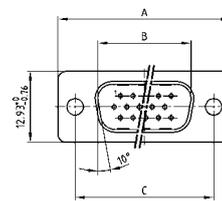
Mounting style: Threaded rear spacer with PCB clip



Mounting style: Front and threaded rear spacer with PCB clip



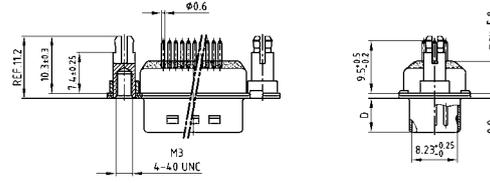
## PLUG CONNECTOR



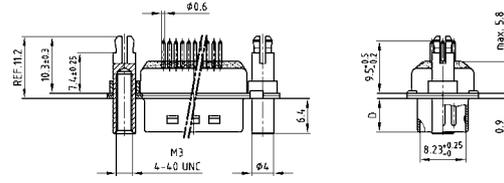
No. of pos.	A -0.76	B -0.25	C	D -0.3
15	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
26	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.16</sub>	6.12
44	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
62	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

PCB-Layout: Kat1i1U0A

Mounting style: Threaded rear spacer with PCB clip



Mounting style: Front and threaded rear spacer with PCB clip



## ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	242A27700X
26	4-40 UNC Threaded rear spacer PCB clip	242A27710X
44	4-40 UNC Threaded rear spacer PCB clip	242A27720X
62	4-40 UNC Threaded rear spacer PCB clip	242A27730X
15	M3 Threaded rear spacer PCB clip	242A27740X
26	M3 Threaded rear spacer PCB clip	242A27750X
44	M3 Threaded rear spacer PCB clip	242A27760X
62	M3 Threaded rear spacer PCB clip	242A27770X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242A27780X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242A27790X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242A27800X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242A27810X
15	M3 Front/Threaded rear spacer PCB clip	242A27820X
26	M3 Front/Threaded rear spacer PCB clip	242A27830X
44	M3 Front/Threaded rear spacer PCB clip	242A27840X
62	M3 Front/Threaded rear spacer PCB clip	242A27850X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	241A27800X
26	4-40 UNC Threaded rear spacer PCB clip	241A27810X
44	4-40 UNC Threaded rear spacer PCB clip	241A27820X
62	4-40 UNC Threaded rear spacer PCB clip	241A27830X
15	M3 Threaded rear spacer PCB clip	241A27840X
26	M3 Threaded rear spacer PCB clip	241A27850X
44	M3 Threaded rear spacer PCB clip	241A27860X
62	M3 Threaded rear spacer PCB clip	241A27870X
15	4-40 UNC Front/Threaded rear spacer PCB clip	241A27880X
26	4-40 UNC Front/Threaded rear spacer PCB clip	241A27890X
44	4-40 UNC Front/Threaded rear spacer PCB clip	241A27900X
62	4-40 UNC Front/Threaded rear spacer PCB clip	241A27910X
15	M3 Front/Threaded rear spacer PCB clip	241A27920X
26	M3 Front/Threaded rear spacer PCB clip	241A27930X
44	M3 Front/Threaded rear spacer PCB clip	241A27940X
62	M3 Front/Threaded rear spacer PCB clip	241A27950X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	242A20610X	15	4-40 UNC Threaded rear spacer PCB clip	241A20760X
26	4-40 UNC Threaded rear spacer PCB clip	242A20620X	26	4-40 UNC Threaded rear spacer PCB clip	241A20770X
44	4-40 UNC Threaded rear spacer PCB clip	242A20630X	44	4-40 UNC Threaded rear spacer PCB clip	241A20780X
62	4-40 UNC Threaded rear spacer PCB clip	242A20640X	62	4-40 UNC Threaded rear spacer PCB clip	241A20790X
15	M3 Threaded rear spacer PCB clip	242A20690X	15	M3 Threaded rear spacer PCB clip	241A20840X
26	M3 Threaded rear spacer PCB clip	242A20700X	26	M3 Threaded rear spacer PCB clip	241A20850X
44	M3 Threaded rear spacer PCB clip	242A20710X	44	M3 Threaded rear spacer PCB clip	241A20860X
62	M3 Threaded rear spacer PCB clip	242A20720X	62	M3 Threaded rear spacer PCB clip	241A20870X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242A20770X	15	4-40 UNC Front/Threaded rear spacer PCB clip	241A20920X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242A20780X	26	4-40 UNC Front/Threaded rear spacer PCB clip	241A20930X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242A20790X	44	4-40 UNC Front/Threaded rear spacer PCB clip	241A20940X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242A20800X	62	4-40 UNC Front/Threaded rear spacer PCB clip	241A20950X
15	M3 Front/Threaded rear spacer PCB clip	242A20850X	15	M3 Front/Threaded rear spacer PCB clip	241A21480X
26	M3 Front/Threaded rear spacer PCB clip	242A20860X	26	M3 Front/Threaded rear spacer PCB clip	241A21490X
44	M3 Front/Threaded rear spacer PCB clip	242A20870X	44	M3 Front/Threaded rear spacer PCB clip	241A21500X
62	M3 Front/Threaded rear spacer PCB clip	242A20880X	62	M3 Front/Threaded rear spacer PCB clip	241A21510X

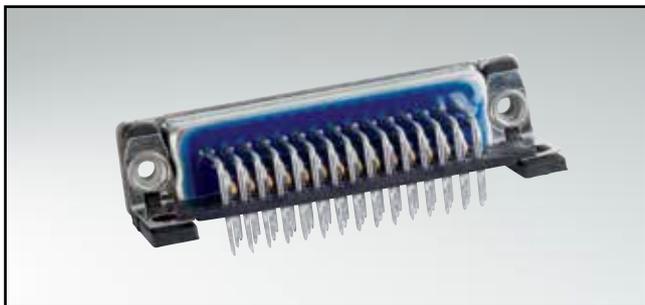
**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	242A20650X	15	4-40 UNC Threaded rear spacer PCB clip	241A20800X
26	4-40 UNC Threaded rear spacer PCB clip	242A20660X	26	4-40 UNC Threaded rear spacer PCB clip	241A20810X
44	4-40 UNC Threaded rear spacer PCB clip	242A20670X	44	4-40 UNC Threaded rear spacer PCB clip	241A20820X
62	4-40 UNC Threaded rear spacer PCB clip	242A20680X	62	4-40 UNC Threaded rear spacer PCB clip	241A20830X
15	M3 Threaded rear spacer PCB clip	242A20730X	15	M3 Threaded rear spacer PCB clip	241A20880X
26	M3 Threaded rear spacer PCB clip	242A20740X	26	M3 Threaded rear spacer PCB clip	241A20890X
44	M3 Threaded rear spacer PCB clip	242A20750X	44	M3 Threaded rear spacer PCB clip	241A20900X
62	M3 Threaded rear spacer PCB clip	242A20760X	62	M3 Threaded rear spacer PCB clip	241A20910X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242A20810X	15	4-40 UNC Front/Threaded rear spacer PCB clip	241A20960X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242A20820X	26	4-40 UNC Front/Threaded rear spacer PCB clip	241A20970X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242A20830X	44	4-40 UNC Front/Threaded rear spacer PCB clip	241A20980X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242A20840X	62	4-40 UNC Front/Threaded rear spacer PCB clip	241A20990X
15	M3 Front/Threaded rear spacer PCB clip	242A20890X	15	M3 Front/Threaded rear spacer PCB clip	241A21520X
26	M3 Front/Threaded rear spacer PCB clip	242A20900X	26	M3 Front/Threaded rear spacer PCB clip	241A21530X
44	M3 Front/Threaded rear spacer PCB clip	242A20910X	44	M3 Front/Threaded rear spacer PCB clip	241A21540X
62	M3 Front/Threaded rear spacer PCB clip	242A20920X	62	M3 Front/Threaded rear spacer PCB clip	241A21550X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350"/7.98 mm – Precision machined contacts – Plastic bracket

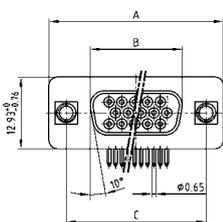


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with mounting bracket, grounding strap and 4-40 UNC or M3 threaded insert
  - with mounting bracket, grounding strap and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

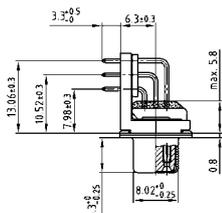
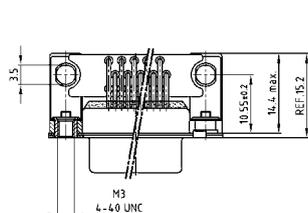
## SOCKET CONNECTOR



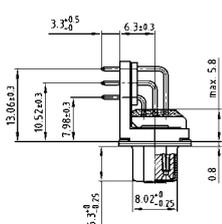
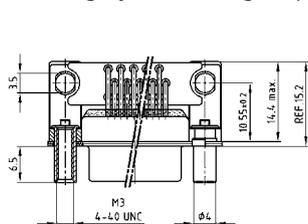
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>
26	39.52	24.79	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>
44	53.42	38.50	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>
62	69.70	54.96	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>

PCB-Layout: Kat1iU1A

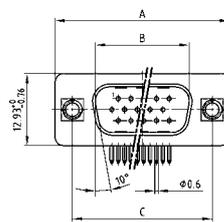
Mounting style: Grounding strap, threaded insert



Mounting style: Grounding strap, front spacer



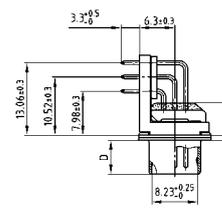
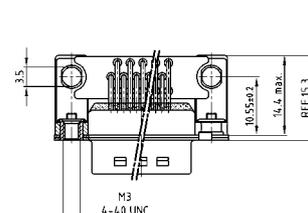
## PLUG CONNECTOR



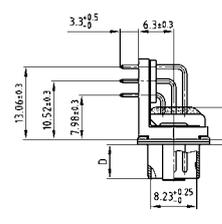
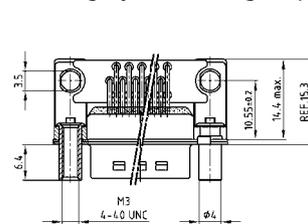
No. of pos.	A -0.76	B +0.25	C	D ±0.3
15	31.19	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.12
26	39.52	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
44	53.42	38.84	47.04 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99
62	69.70	55.30	63.50 <sup>+0.13</sup> / <sub>-0.10</sub>	5.99

PCB-Layout: Kat1iU2A

Mounting style: Grounding strap, threaded insert



Mounting style: Grounding strap, front spacer



## ORDER DATA

### Capacitance 180 pF

SOCKET CONNECTOR		
No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	242A27860X
26	Grounding strap / 4-40 UNC Threaded insert	242A27870X
44	Grounding strap / 4-40 UNC Threaded insert	242A27880X
62	Grounding strap / 4-40 UNC Threaded insert	242A27890X
15	Grounding strap / M3 Threaded insert	242A27900X
26	Grounding strap / M3 Threaded insert	242A27910X
44	Grounding strap / M3 Threaded insert	242A27920X
62	Grounding strap / M3 Threaded insert	242A27930X
15	Grounding strap / 4-40 UNC Front spacer	242A27940X
26	Grounding strap / 4-40 UNC Front spacer	242A27950X
44	Grounding strap / 4-40 UNC Front spacer	242A27960X
62	Grounding strap / 4-40 UNC Front spacer	242A27970X
15	Grounding strap / M3 Front spacer	242A27980X
26	Grounding strap / M3 Front spacer	242A27990X
44	Grounding strap / M3 Front spacer	242A28000X
62	Grounding strap / M3 Front spacer	242A28010X

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	241A27960X
26	Grounding strap / 4-40 UNC Threaded insert	241A27970X
44	Grounding strap / 4-40 UNC Threaded insert	241A27980X
62	Grounding strap / 4-40 UNC Threaded insert	241A27990X
15	Grounding strap / M3 Threaded insert	241A28000X
26	Grounding strap / M3 Threaded insert	241A28010X
44	Grounding strap / M3 Threaded insert	241A28020X
62	Grounding strap / M3 Threaded insert	241A28030X
15	Grounding strap / 4-40 UNC Front spacer	241A28040X
26	Grounding strap / 4-40 UNC Front spacer	241A28050X
44	Grounding strap / 4-40 UNC Front spacer	241A28060X
62	Grounding strap / 4-40 UNC Front spacer	241A28070X
15	Grounding strap / M3 Front spacer	241A28080X
26	Grounding strap / M3 Front spacer	241A28090X
44	Grounding strap / M3 Front spacer	241A28100X
62	Grounding strap / M3 Front spacer	241A28110X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350" / 7.98 mm – Precision machined contacts – Plastic bracket

**ORDER DATA**

**Capacitance 370 pF**

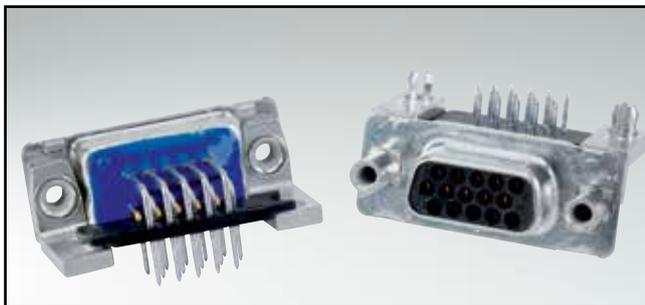
SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	242A18690X	15	Grounding strap / 4-40 UNC Threaded insert	241A17100X
26	Grounding strap / 4-40 UNC Threaded insert	242A18700X	26	Grounding strap / 4-40 UNC Threaded insert	241A17110X
44	Grounding strap / 4-40 UNC Threaded insert	242A18710X	44	Grounding strap / 4-40 UNC Threaded insert	241A17120X
62	Grounding strap / 4-40 UNC Threaded insert	242A18720X	62	Grounding strap / 4-40 UNC Threaded insert	241A17130X
15	Grounding strap / M3 Threaded insert	242A18770X	15	Grounding strap / M3 Threaded insert	241A17180X
26	Grounding strap / M3 Threaded insert	242A18780X	26	Grounding strap / M3 Threaded insert	241A17190X
44	Grounding strap / M3 Threaded insert	242A18790X	44	Grounding strap / M3 Threaded insert	241A17200X
62	Grounding strap / M3 Threaded insert	242A18800X	62	Grounding strap / M3 Threaded insert	241A17210X
15	Grounding strap / 4-40 UNC Front spacer	242A18850X	15	Grounding strap / 4-40 UNC Front spacer	241A17260X
26	Grounding strap / 4-40 UNC Front spacer	242A18860X	26	Grounding strap / 4-40 UNC Front spacer	241A17270X
44	Grounding strap / 4-40 UNC Front spacer	242A18870X	44	Grounding strap / 4-40 UNC Front spacer	241A17280X
62	Grounding strap / 4-40 UNC Front spacer	242A18880X	62	Grounding strap / 4-40 UNC Front spacer	241A17290X
15	Grounding strap / M3 Front spacer	242A18930X	15	Grounding strap / M3 Front spacer	241A17340X
26	Grounding strap / M3 Front spacer	242A18940X	26	Grounding strap / M3 Front spacer	241A17350X
44	Grounding strap / M3 Front spacer	242A18950X	44	Grounding strap / M3 Front spacer	241A17360X
62	Grounding strap / M3 Front spacer	242A18960X	62	Grounding strap / M3 Front spacer	241A17370X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	242A18730X	15	Grounding strap / 4-40 UNC Threaded insert	241A17140X
26	Grounding strap / 4-40 UNC Threaded insert	242A18740X	26	Grounding strap / 4-40 UNC Threaded insert	241A17150X
44	Grounding strap / 4-40 UNC Threaded insert	242A18750X	44	Grounding strap / 4-40 UNC Threaded insert	241A17160X
62	Grounding strap / 4-40 UNC Threaded insert	242A18760X	62	Grounding strap / 4-40 UNC Threaded insert	241A17170X
15	Grounding strap / M3 Threaded insert	242A18810X	15	Grounding strap / M3 Threaded insert	241A17220X
26	Grounding strap / M3 Threaded insert	242A18820X	26	Grounding strap / M3 Threaded insert	241A17230X
44	Grounding strap / M3 Threaded insert	242A18830X	44	Grounding strap / M3 Threaded insert	241A17240X
62	Grounding strap / M3 Threaded insert	242A18840X	62	Grounding strap / M3 Threaded insert	241A17250X
15	Grounding strap / 4-40 UNC Front spacer	242A18890X	15	Grounding strap / 4-40 UNC Front spacer	241A17300X
26	Grounding strap / 4-40 UNC Front spacer	242A18900X	26	Grounding strap / 4-40 UNC Front spacer	241A17310X
44	Grounding strap / 4-40 UNC Front spacer	242A18910X	44	Grounding strap / 4-40 UNC Front spacer	241A17320X
62	Grounding strap / 4-40 UNC Front spacer	242A18920X	62	Grounding strap / 4-40 UNC Front spacer	241A17330X
15	Grounding strap / M3 Front spacer	242A18970X	15	Grounding strap / M3 Front spacer	241A17380X
26	Grounding strap / M3 Front spacer	242A18980X	26	Grounding strap / M3 Front spacer	241A17390X
44	Grounding strap / M3 Front spacer	242A18990X	44	Grounding strap / M3 Front spacer	241A17400X
62	Grounding strap / M3 Front spacer	242A19000X	62	Grounding strap / M3 Front spacer	241A17410X

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350"/7.98 mm – Precision machined contacts – Metal bracket

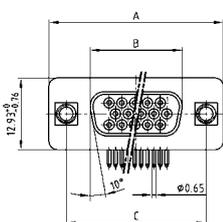


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with mounting bracket and 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

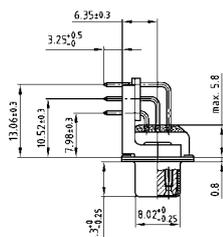
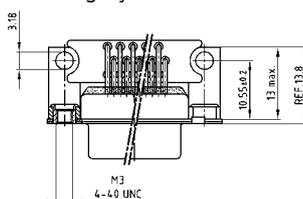
## SOCKET CONNECTOR



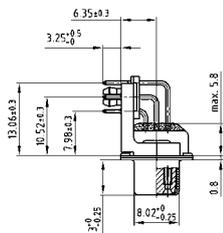
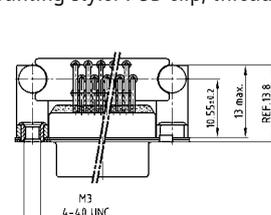
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$
26	39.52	24.79	33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$
44	53.42	38.50	47.04 $\pm 0.13$
62	69.70	54.96	63.50 $\pm 0.13$

PCB-Layout: Kat1iU1A

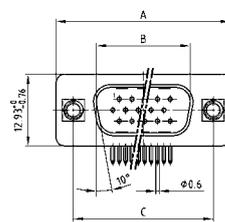
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



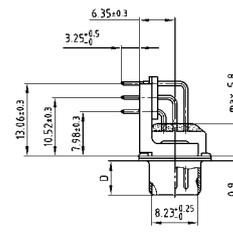
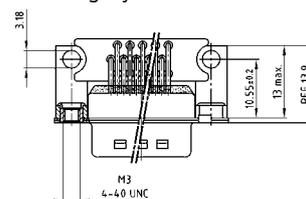
## PLUG CONNECTOR



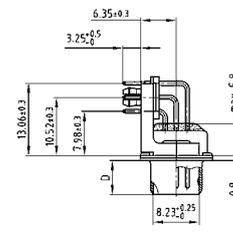
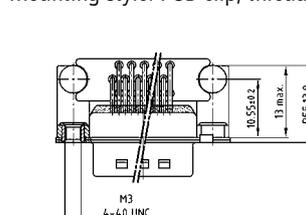
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$	6.12
26	39.52	25.12	33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$	6.12
44	53.42	38.84	47.04 $\pm 0.13$	5.99
62	69.70	55.30	63.50 $\pm 0.13$	5.99

PCB-Layout: Kat1iU2A

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A28020X
26	4-40 UNC Threaded insert	242A28030X
44	4-40 UNC Threaded insert	242A28040X
62	4-40 UNC Threaded insert	242A28050X
15	M3 Threaded insert	242A28060X
26	M3 Threaded insert	242A28070X
44	M3 Threaded insert	242A28080X
62	M3 Threaded insert	242A28090X
15	PCB clip / 4-40 UNC Threaded insert	242A28180X
26	PCB clip / 4-40 UNC Threaded insert	242A28190X
44	PCB clip / 4-40 UNC Threaded insert	242A28200X
62	PCB clip / 4-40 UNC Threaded insert	242A28210X
15	PCB clip / M3 Threaded insert	242A28220X
26	PCB clip / M3 Threaded insert	242A28230X
44	PCB clip / M3 Threaded insert	242A28240X
62	PCB clip / M3 Threaded insert	242A28250X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241A28120X
26	4-40 UNC Threaded insert	241A28130X
44	4-40 UNC Threaded insert	241A28140X
62	4-40 UNC Threaded insert	241A28150X
15	M3 Threaded insert	241A28160X
26	M3 Threaded insert	241A28170X
44	M3 Threaded insert	241A28180X
62	M3 Threaded insert	241A28190X
15	PCB clip / 4-40 UNC Threaded insert	241A28280X
26	PCB clip / 4-40 UNC Threaded insert	241A28290X
44	PCB clip / 4-40 UNC Threaded insert	241A28300X
62	PCB clip / 4-40 UNC Threaded insert	241A28310X
15	PCB clip / M3 Threaded insert	241A28320X
26	PCB clip / M3 Threaded insert	241A28330X
44	PCB clip / M3 Threaded insert	241A28340X
62	PCB clip / M3 Threaded insert	241A28350X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350" / 7.98 mm – Precision machined contacts – Metal bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A19810X	15	4-40 UNC Threaded insert	241A18220X
26	4-40 UNC Threaded insert	242A19820X	26	4-40 UNC Threaded insert	241A18230X
44	4-40 UNC Threaded insert	242A19830X	44	4-40 UNC Threaded insert	241A18240X
62	4-40 UNC Threaded insert	242A19840X	62	4-40 UNC Threaded insert	241A18250X
15	M3 Threaded insert	242A19890X	15	M3 Threaded insert	241A18300X
26	M3 Threaded insert	242A19900X	26	M3 Threaded insert	241A18310X
44	M3 Threaded insert	242A19910X	44	M3 Threaded insert	241A18320X
62	M3 Threaded insert	242A19920X	62	M3 Threaded insert	241A18330X
15	PCB clip / 4-40 UNC Threaded insert	242A19490X	15	PCB clip / 4-40 UNC Threaded insert	241A17900X
26	PCB clip / 4-40 UNC Threaded insert	242A19500X	26	PCB clip / 4-40 UNC Threaded insert	241A17910X
44	PCB clip / 4-40 UNC Threaded insert	242A19510X	44	PCB clip / 4-40 UNC Threaded insert	241A17920X
62	PCB clip / 4-40 UNC Threaded insert	242A19520X	62	PCB clip / 4-40 UNC Threaded insert	241A17930X
15	PCB clip / M3 Threaded insert	242A19570X	15	PCB clip / M3 Threaded insert	241A17980X
26	PCB clip / M3 Threaded insert	242A19580X	26	PCB clip / M3 Threaded insert	241A17990X
44	PCB clip / M3 Threaded insert	242A19590X	44	PCB clip / M3 Threaded insert	241A18000X
62	PCB clip / M3 Threaded insert	242A19600X	62	PCB clip / M3 Threaded insert	241A18010X

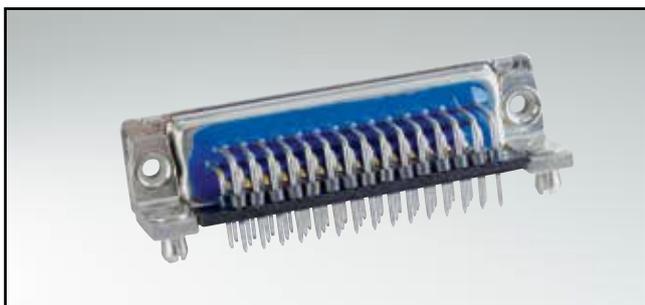
**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A19850X	15	4-40 UNC Threaded insert	241A18260X
26	4-40 UNC Threaded insert	242A19860X	26	4-40 UNC Threaded insert	241A18270X
44	4-40 UNC Threaded insert	242A19870X	44	4-40 UNC Threaded insert	241A18280X
62	4-40 UNC Threaded insert	242A19880X	62	4-40 UNC Threaded insert	241A18290X
15	M3 Threaded insert	242A19930X	15	M3 Threaded insert	241A18340X
26	M3 Threaded insert	242A19940X	26	M3 Threaded insert	241A18350X
44	M3 Threaded insert	242A19950X	44	M3 Threaded insert	241A18360X
62	M3 Threaded insert	242A19960X	62	M3 Threaded insert	241A18370X
15	PCB clip / 4-40 UNC Threaded insert	242A19530X	15	PCB clip / 4-40 UNC Threaded insert	241A17940X
26	PCB clip / 4-40 UNC Threaded insert	242A19540X	26	PCB clip / 4-40 UNC Threaded insert	241A17950X
44	PCB clip / 4-40 UNC Threaded insert	242A19550X	44	PCB clip / 4-40 UNC Threaded insert	241A17960X
62	PCB clip / 4-40 UNC Threaded insert	242A19560X	62	PCB clip / 4-40 UNC Threaded insert	241A17970X
15	PCB clip / M3 Threaded insert	242A19610X	15	PCB clip / M3 Threaded insert	241A18020X
26	PCB clip / M3 Threaded insert	242A19620X	26	PCB clip / M3 Threaded insert	241A18030X
44	PCB clip / M3 Threaded insert	242A19630X	44	PCB clip / M3 Threaded insert	241A18040X
62	PCB clip / M3 Threaded insert	242A19640X	62	PCB clip / M3 Threaded insert	241A18050X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# LC-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350"/7.98 mm – Precision machined contacts – Metal Bracket

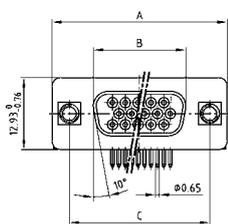


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting styles:
  - with mounting bracket and 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- 44 and 62 pos. version implemented with ferrite pearls
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

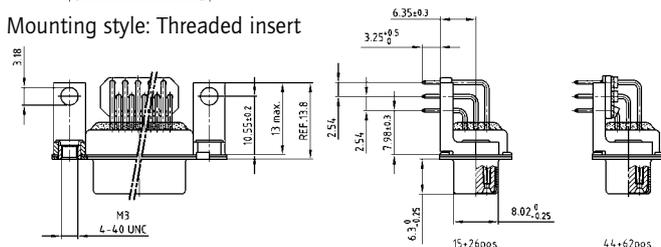
## SOCKET CONNECTOR



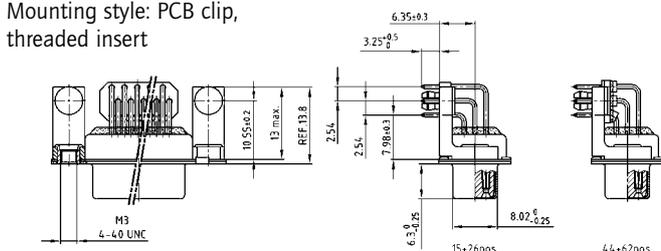
No. of pos.	A-0.76	B-0.25	C
15	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
26	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
44	53.42	38.50	47.04 $^{+0.13}_{-0.10}$
62	69.70	54.96	63.50 $^{+0.13}_{-0.10}$

PCB-Layout: Kat1iU1A

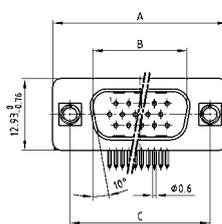
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



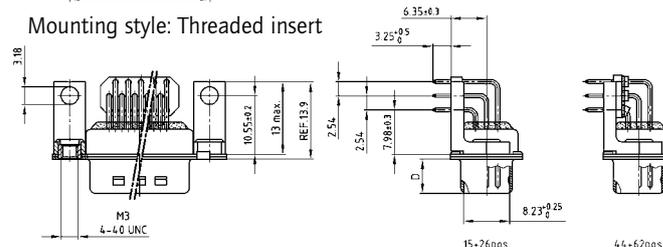
## PLUG CONNECTOR



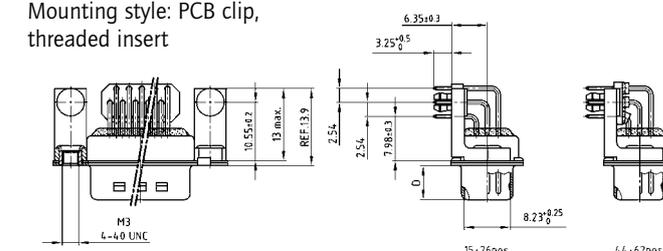
No. of pos.	A-0.76	B-0.25	C	D-0.3
15	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
26	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
44	53.42	38.84	47.04 $^{+0.13}_{-0.10}$	5.99
62	69.70	55.30	63.50 $^{+0.13}_{-0.10}$	5.99

PCB-Layout: Kat1iU2A

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A26580X
26	4-40 UNC Threaded insert	242A26590X
44	4-40 UNC Threaded insert	242A26600X
62	4-40 UNC Threaded insert	242A26610X
15	M3 Threaded insert	242A26660X
26	M3 Threaded insert	242A26670X
44	M3 Threaded insert	242A26680X
62	M3 Threaded insert	242A26690X
15	PCB clip / 4-40 UNC Threaded insert	242A26620X
26	PCB clip / 4-40 UNC Threaded insert	242A26630X
44	PCB clip / 4-40 UNC Threaded insert	242A26640X
62	PCB clip / 4-40 UNC Threaded insert	242A26650X
15	PCB clip / M3 Threaded insert	242A26700X
26	PCB clip / M3 Threaded insert	242A26710X
44	PCB clip / M3 Threaded insert	242A26720X
62	PCB clip / M3 Threaded insert	242A26730X

#### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241A26680X
26	4-40 UNC Threaded insert	241A26690X
44	4-40 UNC Threaded insert	241A26700X
62	4-40 UNC Threaded insert	241A26710X
15	M3 Threaded insert	241A26760X
26	M3 Threaded insert	241A26770X
44	M3 Threaded insert	241A26780X
62	M3 Threaded insert	241A26790X
15	PCB clip / 4-40 UNC Threaded insert	241A26720X
26	PCB clip / 4-40 UNC Threaded insert	241A26730X
44	PCB clip / 4-40 UNC Threaded insert	241A26740X
62	PCB clip / 4-40 UNC Threaded insert	241A26750X
15	PCB clip / M3 Threaded insert	241A26800X
26	PCB clip / M3 Threaded insert	241A26810X
44	PCB clip / M3 Threaded insert	241A26820X
62	PCB clip / M3 Threaded insert	241A26830X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# LC-FILTER D-SUB HIGH DENSITY

Solder pin – Angled – .350" / 7.98 mm – Precision machined contacts – Metal Bracket

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A25620X	15	4-40 UNC Threaded insert	241A25720X
26	4-40 UNC Threaded insert	242A25630X	26	4-40 UNC Threaded insert	241A25730X
44	4-40 UNC Threaded insert	242A25640X	44	4-40 UNC Threaded insert	241A25740X
62	4-40 UNC Threaded insert	242A25650X	62	4-40 UNC Threaded insert	241A25750X
15	M3 Threaded insert	242A25700X	15	M3 Threaded insert	241A25800X
26	M3 Threaded insert	242A25710X	26	M3 Threaded insert	241A25810X
44	M3 Threaded insert	242A25720X	44	M3 Threaded insert	241A25820X
62	M3 Threaded insert	242A25730X	62	M3 Threaded insert	241A25830X
15	PCB clip / 4-40 UNC Threaded insert	242A25780X	15	PCB clip / 4-40 UNC Threaded insert	241A25880X
26	PCB clip / 4-40 UNC Threaded insert	242A25790X	26	PCB clip / 4-40 UNC Threaded insert	241A25890X
44	PCB clip / 4-40 UNC Threaded insert	242A25800X	44	PCB clip / 4-40 UNC Threaded insert	241A25900X
62	PCB clip / 4-40 UNC Threaded insert	242A25810X	62	PCB clip / 4-40 UNC Threaded insert	241A25910X
15	PCB clip / M3 Threaded insert	242A25860X	15	PCB clip / M3 Threaded insert	241A25960X
26	PCB clip / M3 Threaded insert	242A25870X	26	PCB clip / M3 Threaded insert	241A25970X
44	PCB clip / M3 Threaded insert	242A25880X	44	PCB clip / M3 Threaded insert	241A25980X
62	PCB clip / M3 Threaded insert	242A25890X	62	PCB clip / M3 Threaded insert	241A25990X

**Capacitance 830 pF**

SOCKET CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242A25660X	15	4-40 UNC Threaded insert	241A25760X
26	4-40 UNC Threaded insert	242A25670X	26	4-40 UNC Threaded insert	241A25770X
44	4-40 UNC Threaded insert	242A25680X	44	4-40 UNC Threaded insert	241A25780X
62	4-40 UNC Threaded insert	242A25690X	62	4-40 UNC Threaded insert	241A25790X
15	M3 Threaded insert	242A25740X	15	M3 Threaded insert	241A25840X
26	M3 Threaded insert	242A25750X	26	M3 Threaded insert	241A25850X
44	M3 Threaded insert	242A25760X	44	M3 Threaded insert	241A25860X
62	M3 Threaded insert	242A25770X	62	M3 Threaded insert	241A25870X
15	PCB clip / 4-40 UNC Threaded insert	242A25820X	15	PCB clip / 4-40 UNC Threaded insert	241A25920X
26	PCB clip / 4-40 UNC Threaded insert	242A25830X	26	PCB clip / 4-40 UNC Threaded insert	241A25930X
44	PCB clip / 4-40 UNC Threaded insert	242A25840X	44	PCB clip / 4-40 UNC Threaded insert	241A25940X
62	PCB clip / 4-40 UNC Threaded insert	242A25850X	62	PCB clip / 4-40 UNC Threaded insert	241A25950X
15	PCB clip / M3 Threaded insert	242A25900X	15	PCB clip / M3 Threaded insert	241A26000X
26	PCB clip / M3 Threaded insert	242A25910X	26	PCB clip / M3 Threaded insert	241A26010X
44	PCB clip / M3 Threaded insert	242A25920X	44	PCB clip / M3 Threaded insert	241A26020X
62	PCB clip / M3 Threaded insert	242A25930X	62	PCB clip / M3 Threaded insert	241A26030X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# C-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal



RoHS compliant

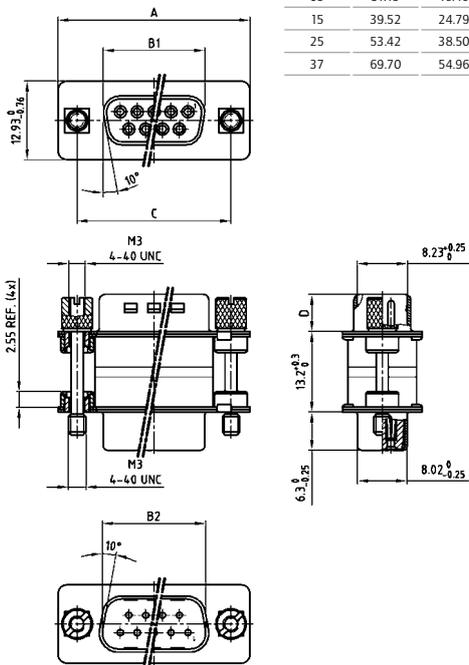
## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 jack screw
  - with 4-40 UNC or M3 hex bolt
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

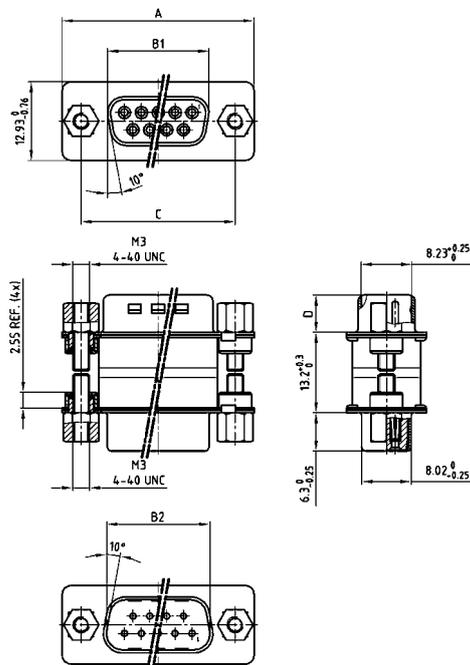
Version with jack screw

No. of pos.	A -0.76	B1 -0.25	B2 +0.25	C	D -0.3
09	31.19	16.46	16.79	25.00 $^{+0.12}_{-0.13}$	6.10
15	39.52	24.79	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.50	38.84	47.04 $^{+0.13}$	5.99
37	69.70	54.96	55.30	63.50 $^{+0.12}$	5.99



## PLUG CONNECTOR

Version with hex bolt



## ORDER DATA

### Capacitance 180 pF

#### SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW

No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12160X
15	4-40 UNC Jack screw	243A12170X
25	4-40 UNC Jack screw	243A12180X
37	4-40 UNC Jack screw	243A12190X
09	M3 Jack screw	243A12320X
15	M3 Jack screw	243A12330X
25	M3 Jack screw	243A12340X
37	M3 Jack screw	243A12350X

#### SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT

No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	243A13120X
15	4-40 UNC Hex bolt	243A13130X
25	4-40 UNC Hex bolt	243A13140X
37	4-40 UNC Hex bolt	243A13150X
09	M3 Hex bolt	243A13280X
15	M3 Hex bolt	243A13290X
25	M3 Hex bolt	243A13300X
37	M3 Hex bolt	243A13310X

# C-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal

**ORDER DATA**

**Capacitance 370 pF**

**SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12200X
15	4-40 UNC Jack screw	243A12210X
25	4-40 UNC Jack screw	243A12220X
37	4-40 UNC Jack screw	243A12230X
09	M3 Jack screw	243A12360X
15	M3 Jack screw	243A12370X
25	M3 Jack screw	243A12380X
37	M3 Jack screw	243A12390X

**SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	243A13160X
15	4-40 UNC Hex bolt	243A13170X
25	4-40 UNC Hex bolt	243A13180X
37	4-40 UNC Hex bolt	243A13190X
09	M3 Hex bolt	243A13320X
15	M3 Hex bolt	243A13330X
25	M3 Hex bolt	243A13340X
37	M3 Hex bolt	243A13350X

**Capacitance 830 pF**

**SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12240X
15	4-40 UNC Jack screw	243A12250X
25	4-40 UNC Jack screw	243A12260X
37	4-40 UNC Jack screw	243A12270X
09	M3 Jack screw	243A12400X
15	M3 Jack screw	243A12410X
25	M3 Jack screw	243A12420X
37	M3 Jack screw	243A12430X

**SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	243A13200X
15	4-40 UNC Hex bolt	243A13210X
25	4-40 UNC Hex bolt	243A13220X
37	4-40 UNC Hex bolt	243A13230X
09	M3 Hex bolt	243A13360X
15	M3 Hex bolt	243A13370X
25	M3 Hex bolt	243A13380X
37	M3 Hex bolt	243A13390X

**Capacitance 1300 pF**

**SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12280X
15	4-40 UNC Jack screw	243A12290X
25	4-40 UNC Jack screw	243A12300X
37	4-40 UNC Jack screw	243A12310X
09	M3 Jack screw	243A12440X
15	M3 Jack screw	243A12450X
25	M3 Jack screw	243A12460X
37	M3 Jack screw	243A12470X

**SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT**

No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	243A13240X
15	4-40 UNC Hex bolt	243A13250X
25	4-40 UNC Hex bolt	243A13260X
37	4-40 UNC Hex bolt	243A13270X
09	M3 Hex bolt	243A13400X
15	M3 Hex bolt	243A13410X
25	M3 Hex bolt	243A13420X
37	M3 Hex bolt	243A13430X

# C-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Low profile

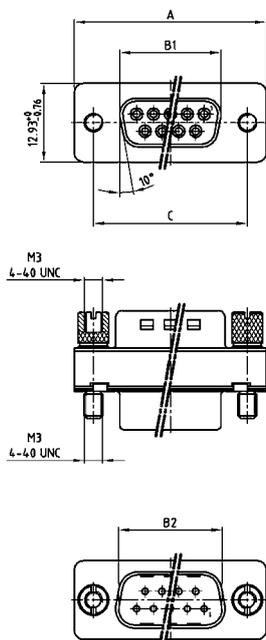


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

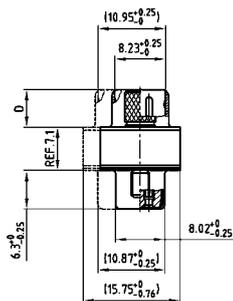
## DESCRIPTION

- Mounting style:  
with 4-40 UNC or M3 jack screw
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## PRODUCT DRAWING



No. of pos.	A $-0.76$	B1 $-0.25$	B2 $+0.25$	C	D $-0.3$
09	31.19	16.46	16.79	25.00 $+0.12$ $-0.13$	6.10
15	39.52	24.79	25.12	33.30 $+0.15$ $-0.10$	6.12
25	53.42	38.50	38.84	47.04 $+0.13$	5.99
37	69.70	54.96	55.30	63.50 $+0.13$	5.99
50	67.31	52.55	52.68	61.10 $+0.14$ $-0.11$	5.99



50 pos. = Dim. in ( \_ )

## ORDER DATA

**Capacitance 180 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A11030X
15	4-40 UNC Jack screw	243A11040X
25	4-40 UNC Jack screw	243A11050X
37	4-40 UNC Jack screw	243A11060X
50	4-40 UNC Jack screw	243A11070X

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number
09	M3 Jack screw	243A11080X
15	M3 Jack screw	243A11090X
25	M3 Jack screw	243A11100X
37	M3 Jack screw	243A11110X
50	M3 Jack screw	243A11120X

# C-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Low profile

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A10010X	09	M3 Jack screw	243A10510X
15	4-40 UNC Jack screw	243A10020X	15	M3 Jack screw	243A10520X
25	4-40 UNC Jack screw	243A10030X	25	M3 Jack screw	243A10530X
37	4-40 UNC Jack screw	243A10040X	37	M3 Jack screw	243A10540X
50	4-40 UNC Jack screw	243A10130X	50	M3 Jack screw	243A10550X

**Capacitance 830 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A10090X	09	M3 Jack screw	243A10610X
15	4-40 UNC Jack screw	243A10100X	15	M3 Jack screw	243A10620X
25	4-40 UNC Jack screw	243A10110X	25	M3 Jack screw	243A10630X
37	4-40 UNC Jack screw	243A10120X	37	M3 Jack screw	243A10640X
50	4-40 UNC Jack screw	243A10150X	50	M3 Jack screw	243A10650X

**Capacitance 1300 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A10050X	09	M3 Jack screw	243A10560X
15	4-40 UNC Jack screw	243A10060X	15	M3 Jack screw	243A10570X
25	4-40 UNC Jack screw	243A10070X	25	M3 Jack screw	243A10580X
37	4-40 UNC Jack screw	243A10080X	37	M3 Jack screw	243A10590X
50	4-40 UNC Jack screw	243A10140X	50	M3 Jack screw	243A10600X

# LC-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

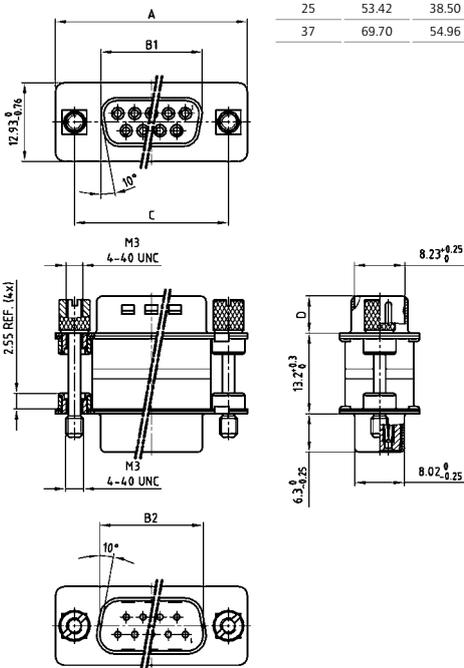
## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 jack screw
  - with 4-40 UNC or M3 hex bolt
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

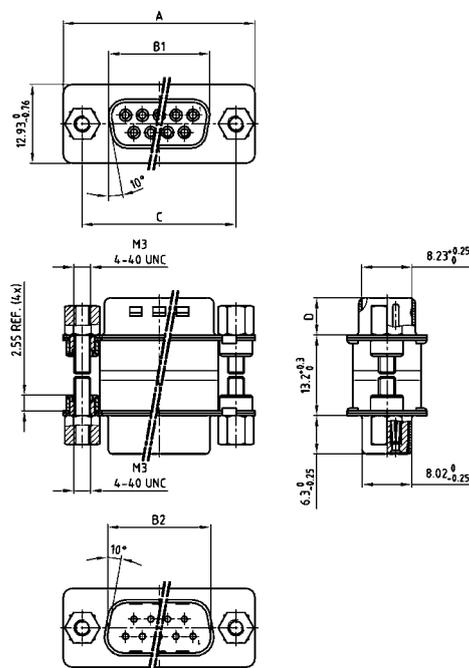
Version with jack screw

No. of pos.	A -0.76	B1 -0.25	B2 +0.25	C	D -0.3
09	31.19	16.46	16.79	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	6.10
15	39.52	24.79	25.12	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	6.12
25	53.42	38.50	38.84	47.04 <sup>+0.13</sup>	5.99
37	69.70	54.96	55.30	63.50 <sup>+0.13</sup>	5.99



## PLUG CONNECTOR

Version with hex bolt



## ORDER DATA

### Capacitance 180 pF

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW		
No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12800X
15	4-40 UNC Jack screw	243A12810X
25	4-40 UNC Jack screw	243A12820X
37	4-40 UNC Jack screw	243A12830X
09	M3 Jack screw	243A12960X
15	M3 Jack screw	243A12970X
25	M3 Jack screw	243A12980X
37	M3 Jack screw	243A12990X

SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	243A13440X
15	4-40 UNC Hex bolt	243A13450X
25	4-40 UNC Hex bolt	243A13460X
37	4-40 UNC Hex bolt	243A13470X
09	M3 Hex bolt	243A13600X
15	M3 Hex bolt	243A13610X
25	M3 Hex bolt	243A13620X
37	M3 Hex bolt	243A13630X

# LC-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal

**ORDER DATA**

**Capacitance 370 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12840X	09	4-40 UNC Hex bolt	243A13480X
15	4-40 UNC Jack screw	243A12850X	15	4-40 UNC Hex bolt	243A13490X
25	4-40 UNC Jack screw	243A12860X	25	4-40 UNC Hex bolt	243A13500X
37	4-40 UNC Jack screw	243A12870X	37	4-40 UNC Hex bolt	243A13510X
09	M3 Jack screw	243A13000X	09	M3 Hex bolt	243A13640X
15	M3 Jack screw	243A13010X	15	M3 Hex bolt	243A13650X
25	M3 Jack screw	243A13020X	25	M3 Hex bolt	243A13660X
37	M3 Jack screw	243A13030X	37	M3 Hex bolt	243A13670X

**Capacitance 830 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12880X	09	4-40 UNC Hex bolt	243A13520X
15	4-40 UNC Jack screw	243A12890X	15	4-40 UNC Hex bolt	243A13530X
25	4-40 UNC Jack screw	243A12900X	25	4-40 UNC Hex bolt	243A13540X
37	4-40 UNC Jack screw	243A12910X	37	4-40 UNC Hex bolt	243A13550X
09	M3 Jack screw	243A13040X	09	M3 Hex bolt	243A13680X
15	M3 Jack screw	243A13050X	15	M3 Hex bolt	243A13690X
25	M3 Jack screw	243A13060X	25	M3 Hex bolt	243A13700X
37	M3 Jack screw	243A13070X	37	M3 Hex bolt	243A13710X

**Capacitance 1300 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	243A12920X	09	4-40 UNC Hex bolt	243A13560X
15	4-40 UNC Jack screw	243A12930X	15	4-40 UNC Hex bolt	243A13570X
25	4-40 UNC Jack screw	243A12940X	25	4-40 UNC Hex bolt	243A13580X
37	4-40 UNC Jack screw	243A12950X	37	4-40 UNC Hex bolt	243A13590X
09	M3 Jack screw	243A13080X	09	M3 Hex bolt	243A13720X
15	M3 Jack screw	243A13090X	15	M3 Hex bolt	243A13730X
25	M3 Jack screw	243A13100X	25	M3 Hex bolt	243A13740X
37	M3 Jack screw	243A13110X	37	M3 Hex bolt	243A13750X

# π-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

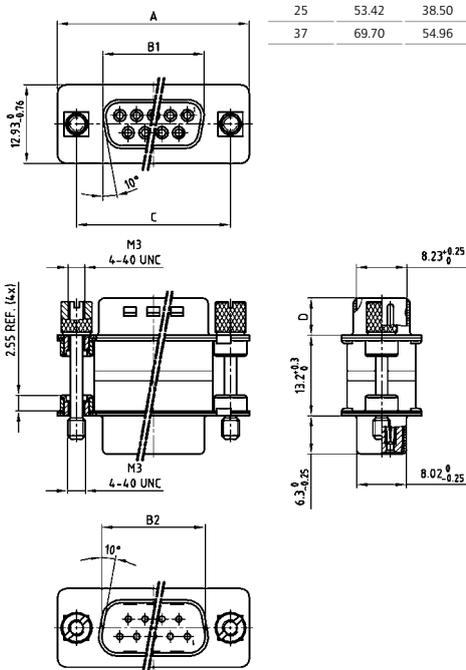
## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 jack screw
  - with 4-40 UNC or M3 hex bolt
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

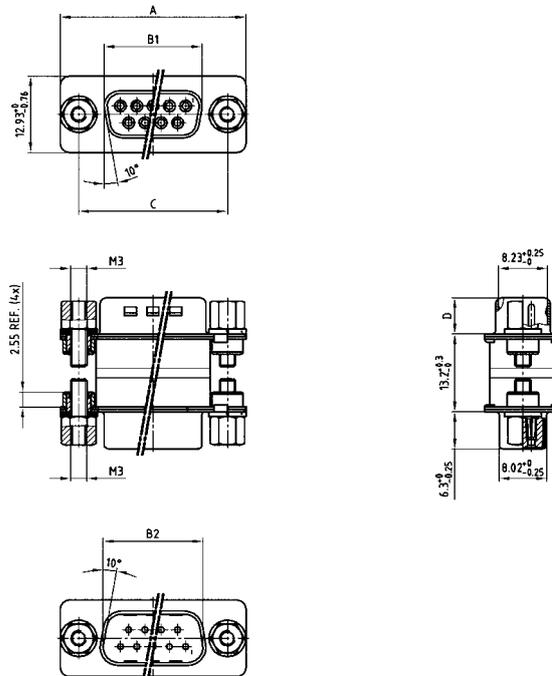
Version with jack screw

No. of pos.	A -0.76	B1 -0.25	B2 +0.25	C	D -0.3
09	31.19	16.46	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.10
15	39.52	24.79	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
25	53.42	38.50	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
37	69.70	54.96	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99



## PLUG CONNECTOR

Version with hex bolt



## ORDER DATA

### Capacitance 2 x 180 pF

#### SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW

No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	MAP1XAAAR02R361X
15	4-40 UNC Jack screw	MAP2XAAAR02R361X
25	4-40 UNC Jack screw	MAP3XAAAR02R361X
37	4-40 UNC Jack screw	MAP4XAAAR02R361X
09	M3 Jack screw	MAP1XAAAR01R361X
15	M3 Jack screw	MAP2XAAAR01R361X
25	M3 Jack screw	MAP3XAAAR01R361X
37	M3 Jack screw	MAP4XAAAR01R361X

#### SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT

No. of pos.	Mounting style	Part Number
09	4-40 UNC Hex bolt	MAP1XAAAH02R361X
15	4-40 UNC Hex bolt	MAP2XAAAH02R361X
25	4-40 UNC Hex bolt	MAP3XAAAH02R361X
37	4-40 UNC Hex bolt	MAP4XAAAH02R361X
09	M3 Hex bolt	MAP1XAAAH01R361X
15	M3 Hex bolt	MAP2XAAAH01R361X
25	M3 Hex bolt	MAP3XAAAH01R361X
37	M3 Hex bolt	MAP4XAAAH01R361X

# π-FILTER D-SUB ADAPTER

Socket connector / Plug connector – Precision machined contacts – Metal

**ORDER DATA**

**Capacitance 2 x 370 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	MAP1XAAAR02R741X	09	4-40 UNC Hex bolt	MAP1XAAAH02R741X
15	4-40 UNC Jack screw	MAP2XAAAR02R741X	15	4-40 UNC Hex bolt	MAP2XAAAH02R741X
25	4-40 UNC Jack screw	MAP3XAAAR02R741X	25	4-40 UNC Hex bolt	MAP3XAAAH02R741X
37	4-40 UNC Jack screw	MAP4XAAAR02R741X	37	4-40 UNC Hex bolt	MAP4XAAAH02R741X
09	M3 Jack screw	MAP1XAAAR01R741X	09	M3 Hex bolt	MAP1XAAAH01R741X
15	M3 Jack screw	MAP2XAAAR01R741X	15	M3 Hex bolt	MAP2XAAAH01R741X
25	M3 Jack screw	MAP3XAAAR01R741X	25	M3 Hex bolt	MAP3XAAAH01R741X
37	M3 Jack screw	MAP4XAAAR01R741X	37	M3 Hex bolt	MAP4XAAAH01R741X

**Capacitance 2 x 830 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	MAP1XAAAR02R162X	09	4-40 UNC Hex bolt	MAP1XAAAH02R162X
15	4-40 UNC Jack screw	MAP2XAAAR02R162X	15	4-40 UNC Hex bolt	MAP2XAAAH02R162X
25	4-40 UNC Jack screw	MAP3XAAAR02R162X	25	4-40 UNC Hex bolt	MAP3XAAAH02R162X
37	4-40 UNC Jack screw	MAP4XAAAR02R162X	37	4-40 UNC Hex bolt	MAP4XAAAH02R162X
09	M3 Jack screw	MAP1XAAAR01R162X	09	M3 Hex bolt	MAP1XAAAH01R162X
15	M3 Jack screw	MAP2XAAAR01R162X	15	M3 Hex bolt	MAP2XAAAH01R162X
25	M3 Jack screw	MAP3XAAAR01R162X	25	M3 Hex bolt	MAP3XAAAH01R162X
37	M3 Jack screw	MAP4XAAAR01R162X	37	M3 Hex bolt	MAP4XAAAH01R162X

**Capacitance 2 x 1300 pF**

SOCKET CONNECTOR / PLUG CONNECTOR WITH JACK SCREW			SOCKET CONNECTOR / PLUG CONNECTOR WITH HEX BOLT		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	4-40 UNC Jack screw	MAP1XAAAR02R262X	09	4-40 UNC Hex bolt	MAP1XAAAH02R262X
15	4-40 UNC Jack screw	MAP2XAAAR02R262X	15	4-40 UNC Hex bolt	MAP2XAAAH02R262X
25	4-40 UNC Jack screw	MAP3XAAAR02R262X	25	4-40 UNC Hex bolt	MAP3XAAAH02R262X
37	4-40 UNC Jack screw	MAP4XAAAR02R262X	37	4-40 UNC Hex bolt	MAP4XAAAH02R262X
09	M3 Jack screw	MAP1XAAAR01R262X	09	M3 Hex bolt	MAP1XAAAH01R262X
15	M3 Jack screw	MAP2XAAAR01R262X	15	M3 Hex bolt	MAP2XAAAH01R262X
25	M3 Jack screw	MAP3XAAAR01R262X	25	M3 Hex bolt	MAP3XAAAH01R262X
37	M3 Jack screw	MAP4XAAAR01R262X	37	M3 Hex bolt	MAP4XAAAH01R262X

# C-FILTER D-SUB ADAPTER – HIGH DENSITY

Socket connector / Plug connector – Precision machined contacts – Low profile



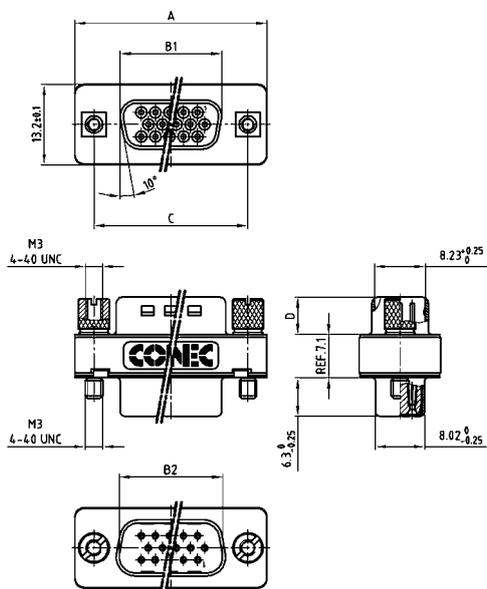
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- Mounting style:  
with 4-40 UNC or M3 jack screw
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## PRODUCT DRAWING

C-Filter design



No. of pos.	A -0.76	B1 -0.25	B2 +0.25	C	D -0.3
15	31.19	16.46	16.79	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	6.10
26	39.52	24.79	25.12	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	6.12
44	53.42	38.50	38.84	47.04 <sup>+0.13</sup>	5.99
62	69.70	54.96	55.30	63.50 <sup>+0.13</sup>	5.99

## ORDER DATA

SOCKET CONNECTOR / PLUG CONNECTOR WITH C-FILTER			SOCKET CONNECTOR / PLUG CONNECTOR WITH C-FILTER		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
<b>Capacitance 180 pF</b>					
15	4-40 UNC Jack screw	243A11600X	15	M3 Jack screw	243A11720X
26	4-40 UNC Jack screw	243A11610X	26	M3 Jack screw	243A11730X
44	4-40 UNC Jack screw	243A11620X	44	M3 Jack screw	243A11740X
62	4-40 UNC Jack screw	243A11630X	62	M3 Jack screw	243A11750X
<b>Capacitance 370 pF</b>					
15	4-40 UNC Jack screw	243A11640X	15	M3 Jack screw	243A11760X
26	4-40 UNC Jack screw	243A11650X	26	M3 Jack screw	243A11770X
44	4-40 UNC Jack screw	243A11660X	44	M3 Jack screw	243A11780X
62	4-40 UNC Jack screw	243A11670X	62	M3 Jack screw	243A11790X
<b>Capacitance 830 pF</b>					
15	4-40 UNC Jack screw	243A11680X	15	M3 Jack screw	243A11800X
26	4-40 UNC Jack screw	243A11690X	26	M3 Jack screw	243A11810X
44	4-40 UNC Jack screw	243A11700X	44	M3 Jack screw	243A11820X
62	4-40 UNC Jack screw	243A11710X	62	M3 Jack screw	243A11830X

# LC-FILTER D-SUB ADAPTER – HIGH DENSITY

Socket connector / Plug connector – Precision machined contacts – Low profile



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

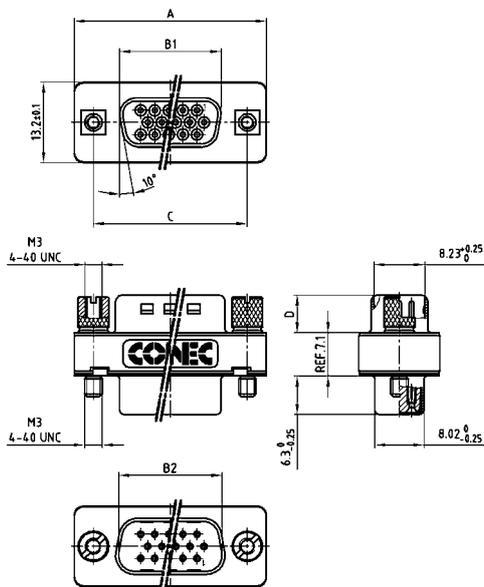
## DESCRIPTION

- Mounting style:  
with 4-40 UNC or M3 jack screw
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## PRODUCT DRAWING

LC-Filter design

No. of pos.	A -0.76	B1 -0.25	B2 +0.25	C	D -0.3
15	31.19	16.46	16.79	25.00 <sup>+0.12</sup> / <sub>-0.13</sub>	6.10
26	39.52	24.79	25.12	33.30 <sup>+0.15</sup> / <sub>-0.10</sub>	6.12
44	53.42	38.50	38.84	47.04 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99
62	69.70	54.96	55.30	63.50 <sup>+0.13</sup> / <sub>-0.13</sub>	5.99

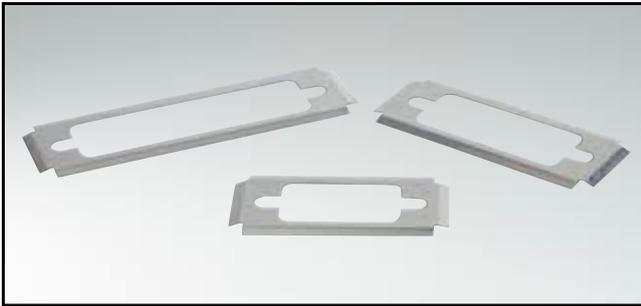


## ORDER DATA

SOCKET CONNECTOR / PLUG CONNECTOR WITH LC-FILTER			SOCKET CONNECTOR / PLUG CONNECTOR WITH LC-FILTER		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
<b>Capacitance 180 pF</b>					
15	4-40 UNC Jack screw	243A13780X	15	M3 Jack screw	243A13900X
26	4-40 UNC Jack screw	243A13790X	26	M3 Jack screw	243A13910X
44	4-40 UNC Jack screw	243A13800X	44	M3 Jack screw	243A13920X
62	4-40 UNC Jack screw	243A13810X	62	M3 Jack screw	243A13930X
<b>Capacitance 370 pF</b>					
15	4-40 UNC Jack screw	243A13820X	15	M3 Jack screw	243A13940X
26	4-40 UNC Jack screw	243A13830X	26	M3 Jack screw	243A13950X
44	4-40 UNC Jack screw	243A13840X	44	M3 Jack screw	243A13960X
62	4-40 UNC Jack screw	243A13850X	62	M3 Jack screw	243A13970X
<b>Capacitance 830 pF</b>					
15	4-40 UNC Jack screw	243A13860X	15	M3 Jack screw	243A13980X
26	4-40 UNC Jack screw	243A13870X	26	M3 Jack screw	243A13990X
44	4-40 UNC Jack screw	243A13880X	44	M3 Jack screw	243A14000X
62	4-40 UNC Jack screw	243A13890X	62	M3 Jack screw	243A14010X

# FILTER D-SUB – ACCESSORIES

## EMI/RFI shielding frames

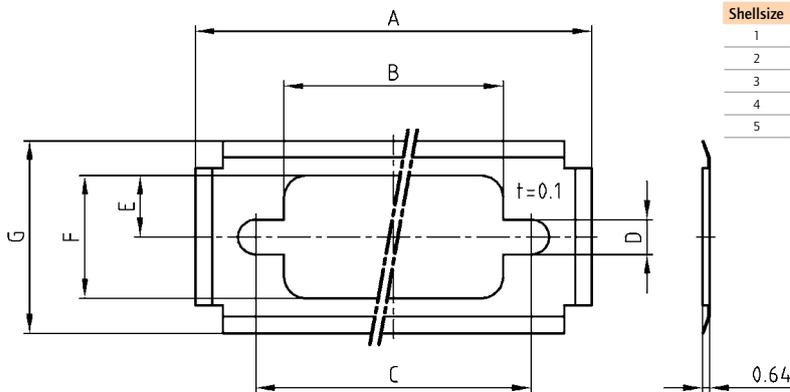


RoHS compliant

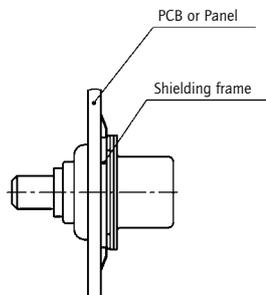
### DESCRIPTION

- Material: Stainless steel
- For improved ground contact
- Suitable for assembly to the mating side

### PRODUCT DRAWING



Shellsize	A	B	C	D	E	F	G
1	35.80	19.80	24.90	3.20	5.60	11.20	17.50
2	44.20	28.20	33.30	3.20	5.60	11.20	17.50
3	57.90	41.90	47.00	3.20	5.60	11.20	17.50
4	74.40	58.20	63.50	3.20	5.60	11.20	17.50
5	72.10	53.60	61.20	6.10	7.10	13.90	20.30

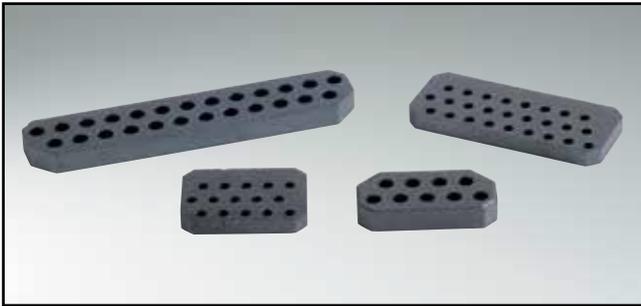


### ORDER DATA

SHIELDING FRAME			
Shell size	Standard	High Density	Part Number
1	09	15	160X10839X
2	15	26	160X10849X
3	25	44	160X10859X
4	37	62	160X10869X
5	50	78	160X10879X

# FILTER D-SUB – ACCESSORIES

## Ferrite for Standard and High Density D-SUB

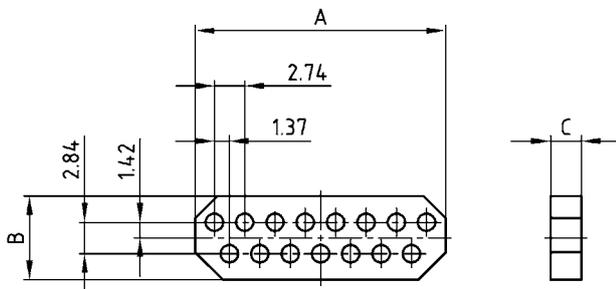


RoHS compliant

### DESCRIPTION

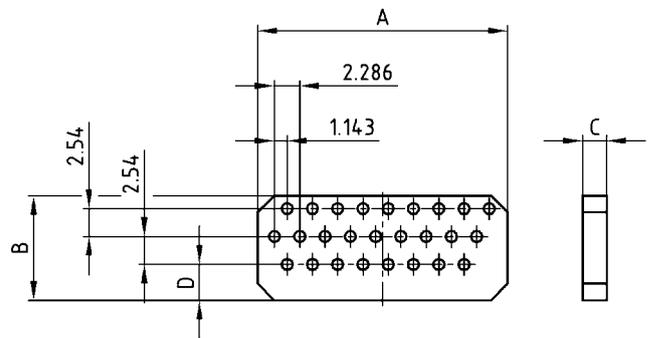
- Ferrite black for use with D-SUB Connectors

### FERRITE FOR STANDARD D-SUB



No. of pos.	A ±0.5	B ±0.5	C ±0.10
09	14.50	7.6	2.75
15	22.65	7.6	2.74
25	36.40	7.6	2.70
37	53.08	7.6	2.80

### FERRITE FOR HIGH DENSITY ANGLED D-SUB



No. of pos.	A ±0.5	B ±0.5	C ±0.10	D ±0.15
15	14.0	6.9	2.0	0.91
26	22.6	9.5	2.2	3.26

### ORDER DATA

#### FERRITE FOR STANDARD D-SUB

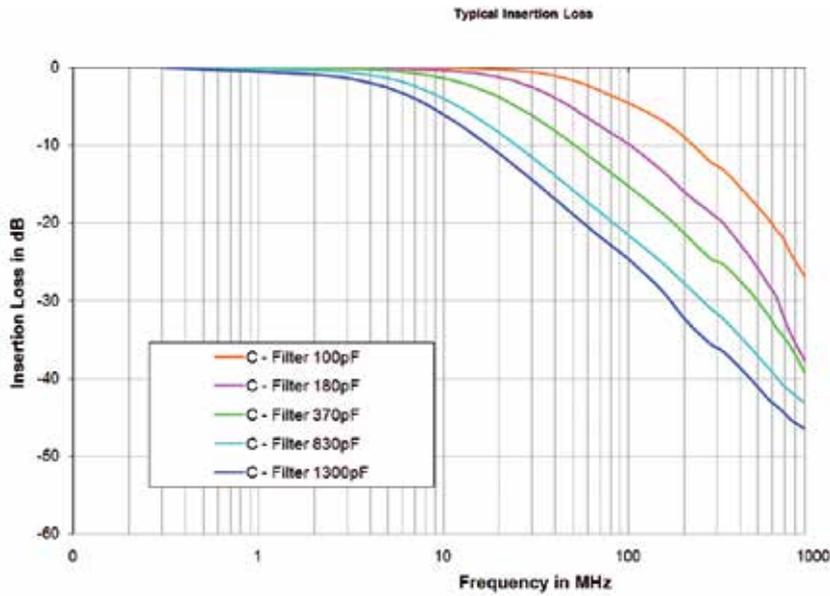
No. of pos.	Part Number
09	240X10019X
15	240X10029X
25	240X10039X
37	240X10049X

#### FERRITE FOR HIGH DENSITY ANGLED D-SUB

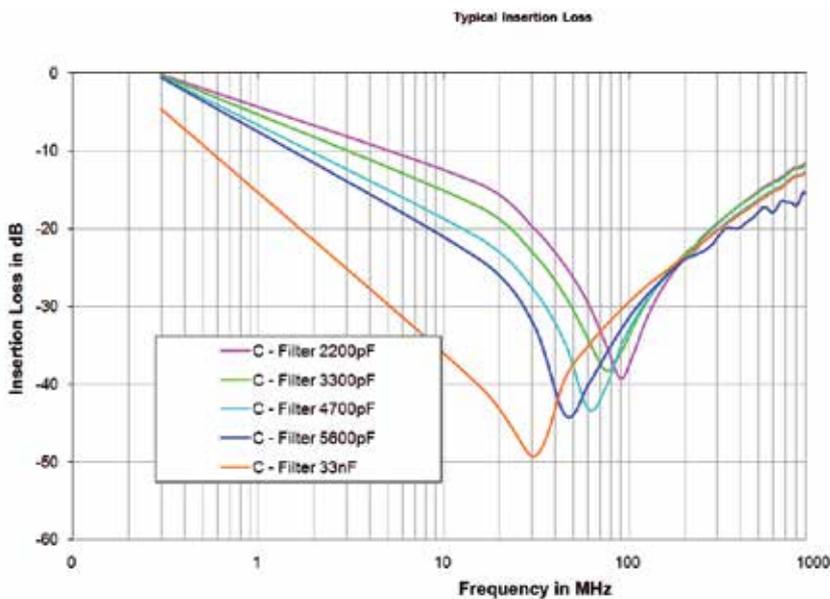
No. of pos.	Part Number
15	240X10069X
26	240X10079X

# INSERTION LOSS

## C-FILTER WITH PLANAR FILTER TECHNOLOGY

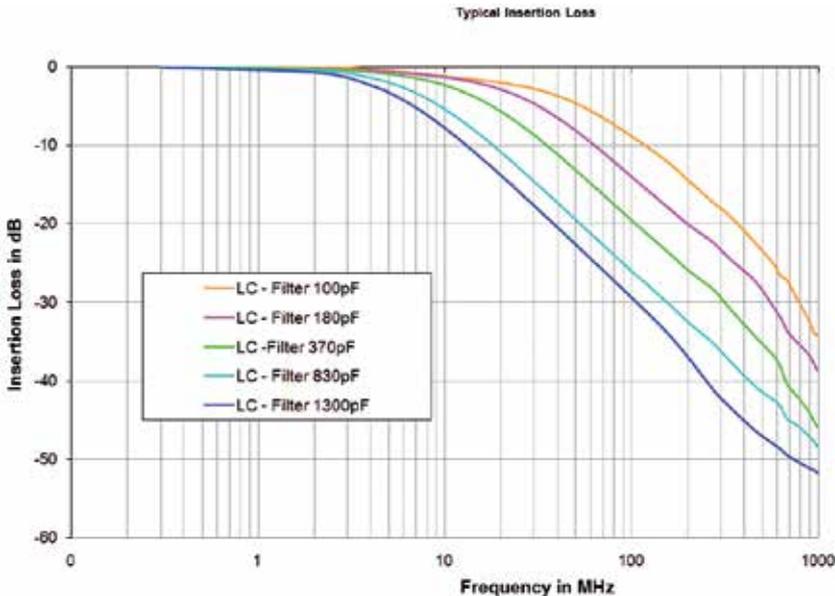


## C-FILTER WITH CHIP TECHNOLOGY

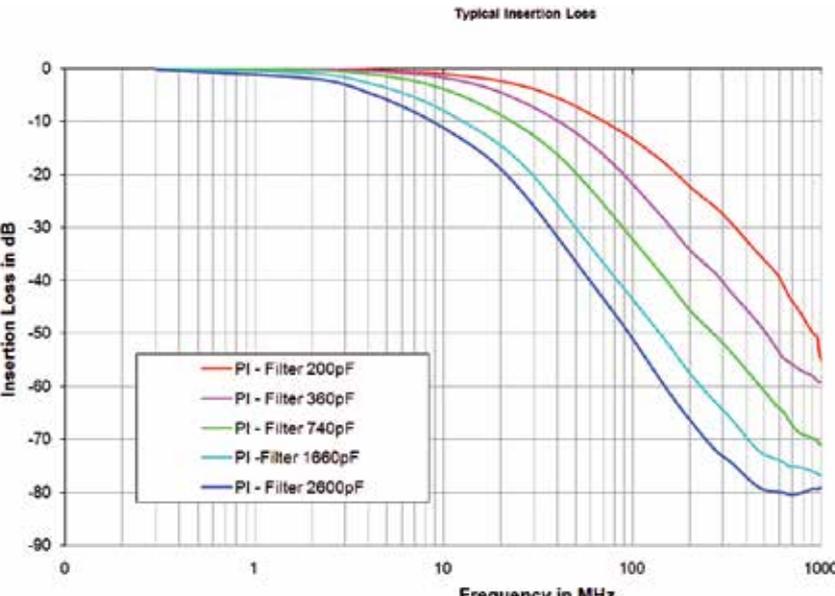


# INSERTION LOSS

## LC-FILTER WITH PLANAR FILTER TECHNOLOGY

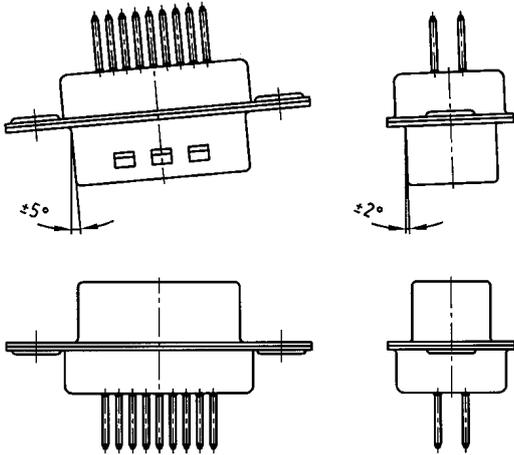


## $\pi$ -FILTER WITH PLANAR FILTER TECHNOLOGY

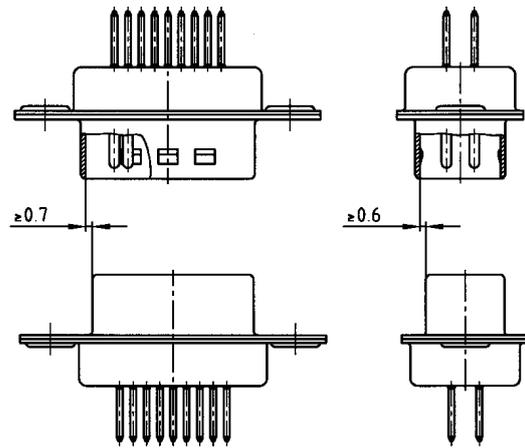


# MATING CONDITIONS

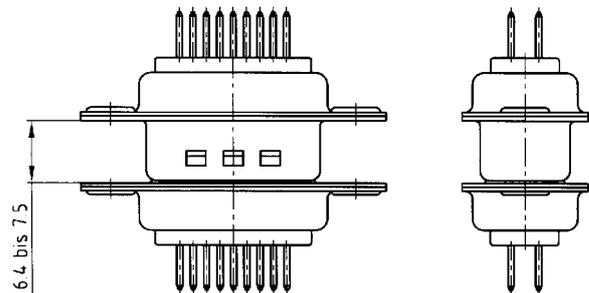
Float mount tolerance guide



Rigid mount tolerance guide

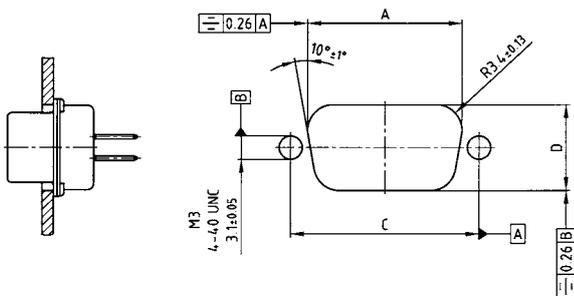


Rigid mount vertical to tolerance guide

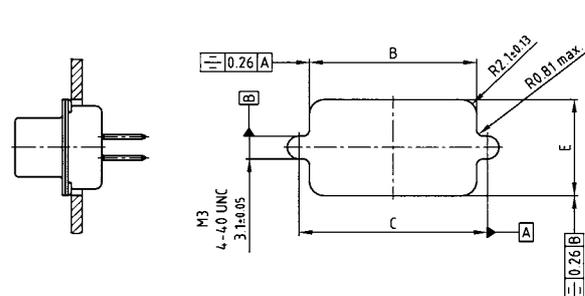


## PANEL CUT-OUT

Rear panel mounting



Front panel mounting

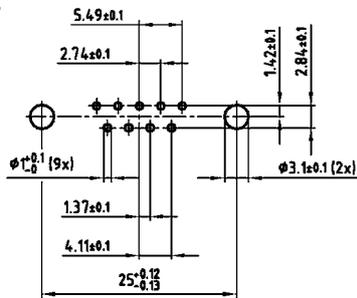


Shell size	A ± 0,13	B ± 0,13	C ± 0,13	D ± 0,13	E ± 0,13
9 15	20.50	22.20	25.00	11.40	13.00
15 26	28.80	30.50	33.30	11.40	13.00
25 44	42.50	44.30	47.04	11.40	13.00
37 62	59.10	60.70	63.50	11.40	13.00
50 78	56.30	58.30	61.10	14.10	15.80

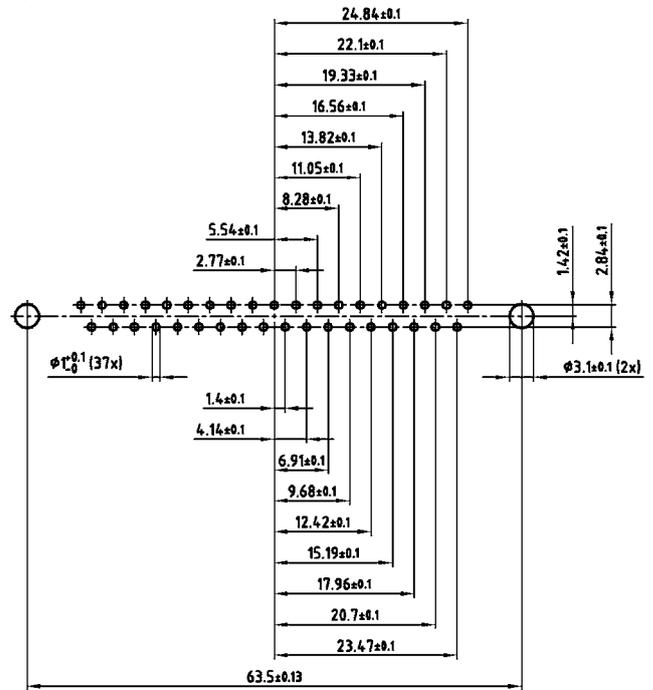
# PCB LAYOUT D-SUB STANDARD

Solder pin, straight – Plug and Socket connector

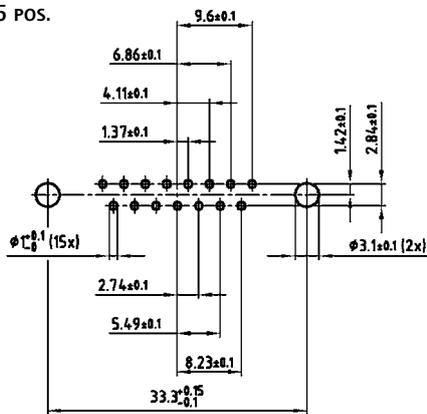
9 POS.



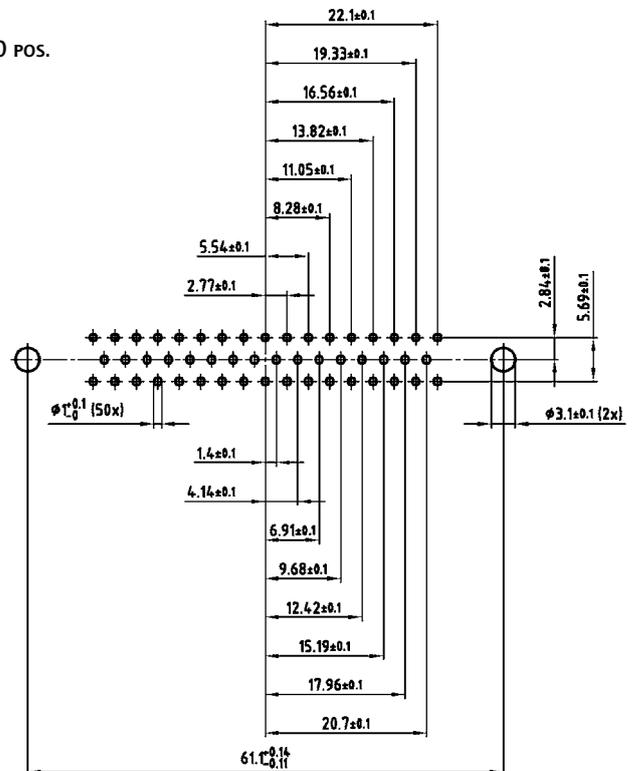
37 POS.



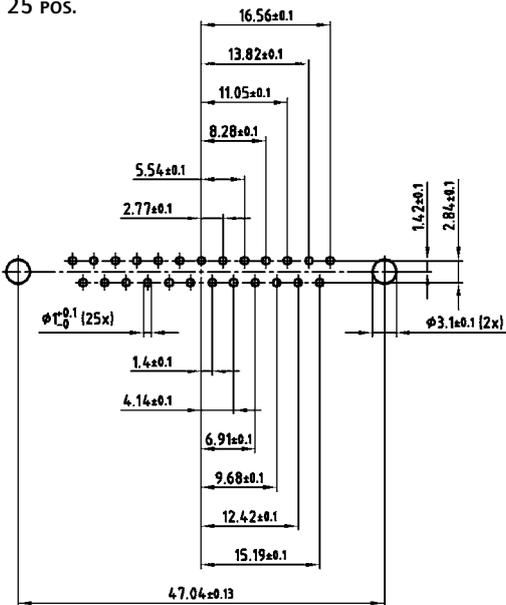
15 POS.



50 POS.



25 POS.

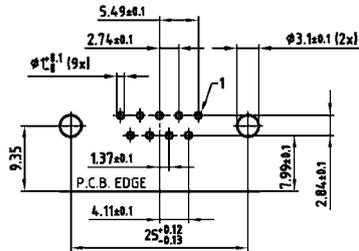


PCB layout Kat1 kFUA (View: component side)

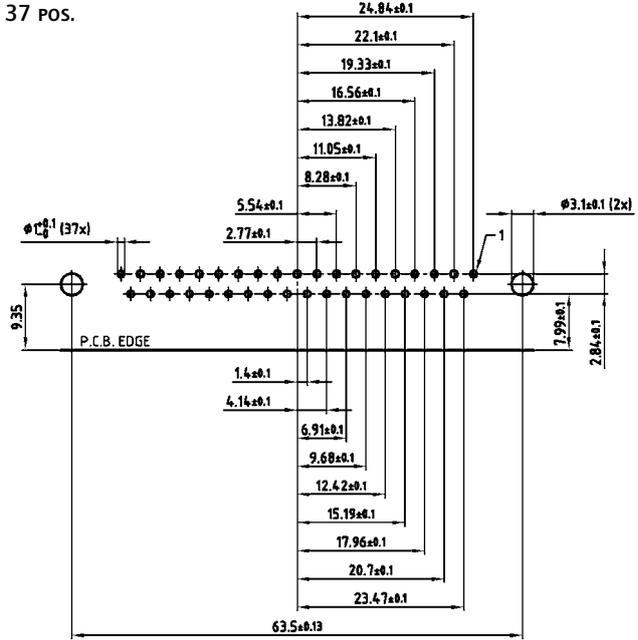
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .318" / 7.19 mm – Socket connector

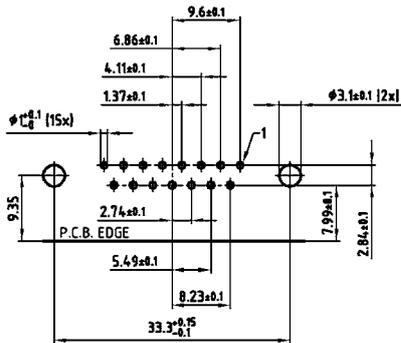
9 POS.



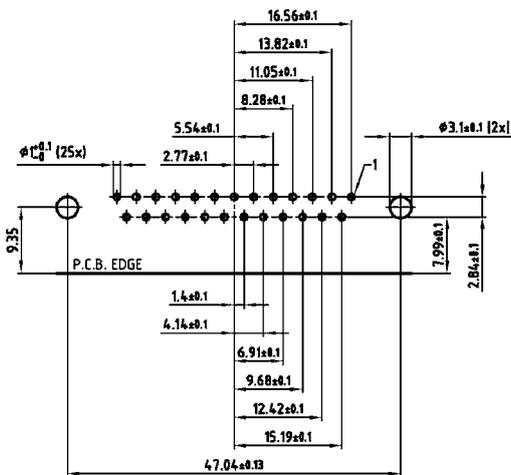
37 POS.



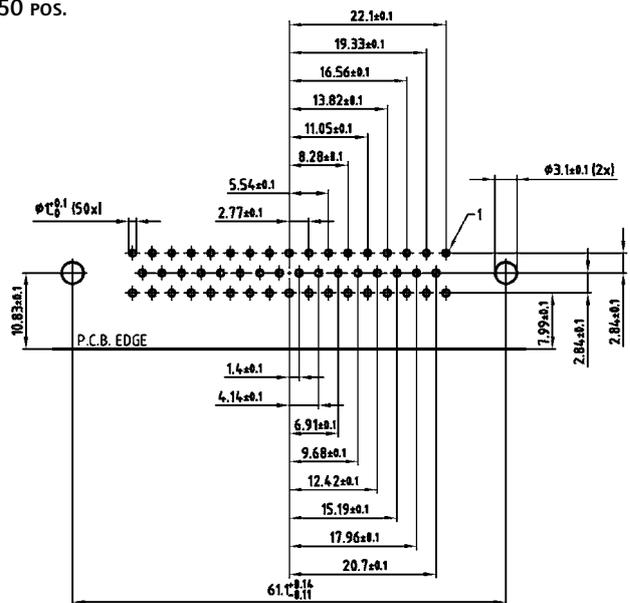
15 POS.



25 POS.



50 POS.

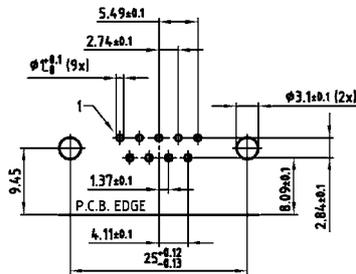


PCB layout Kat1kGEA (View: component side)

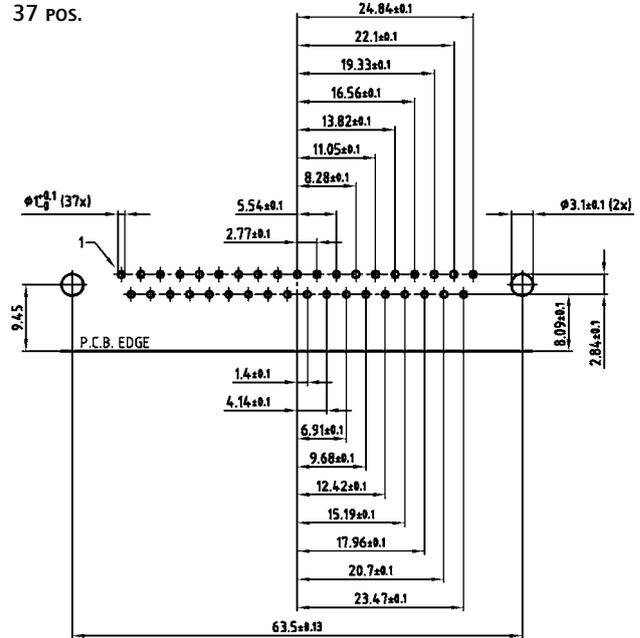
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .318" / 7.19 mm – Plug connector

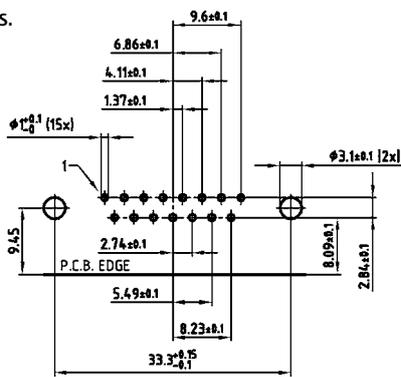
9 POS.



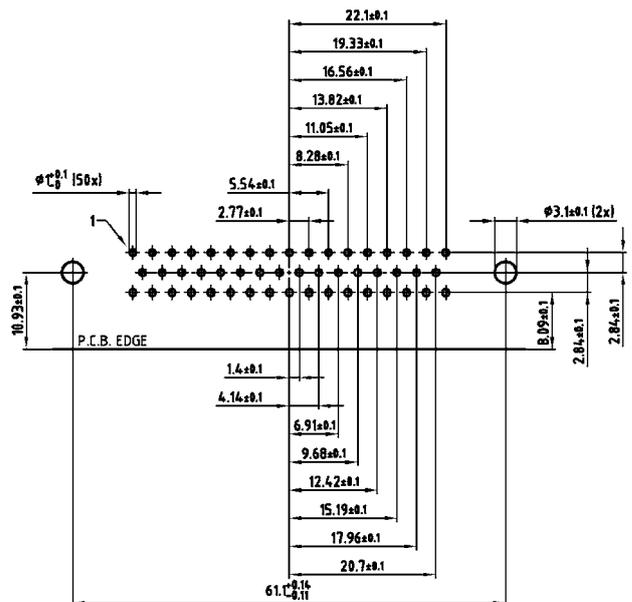
37 POS.



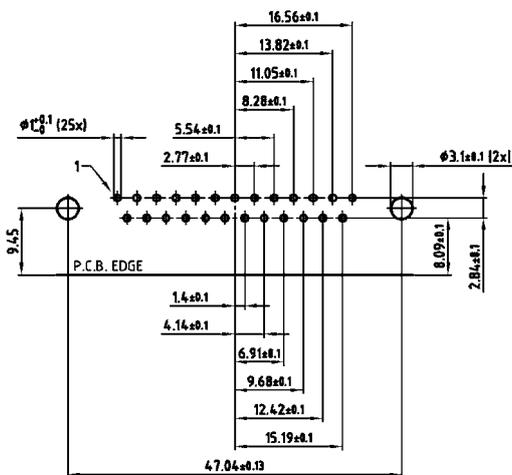
15 POS.



50 POS.



25 POS.

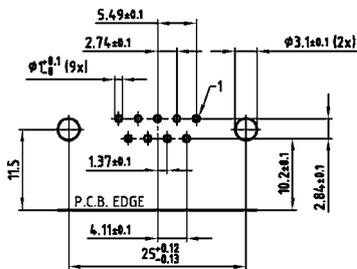


PCB layout Kat1 kgFA (View: component side)

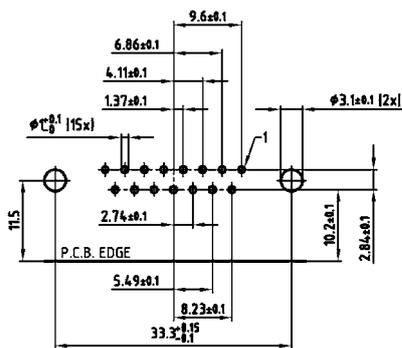
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .370" / 9.4 mm – Socket connector

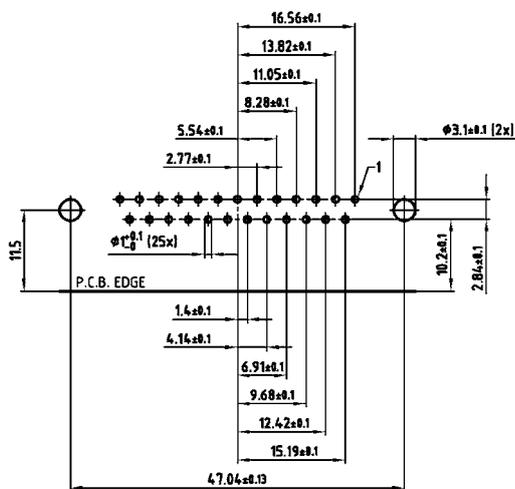
9 POS.



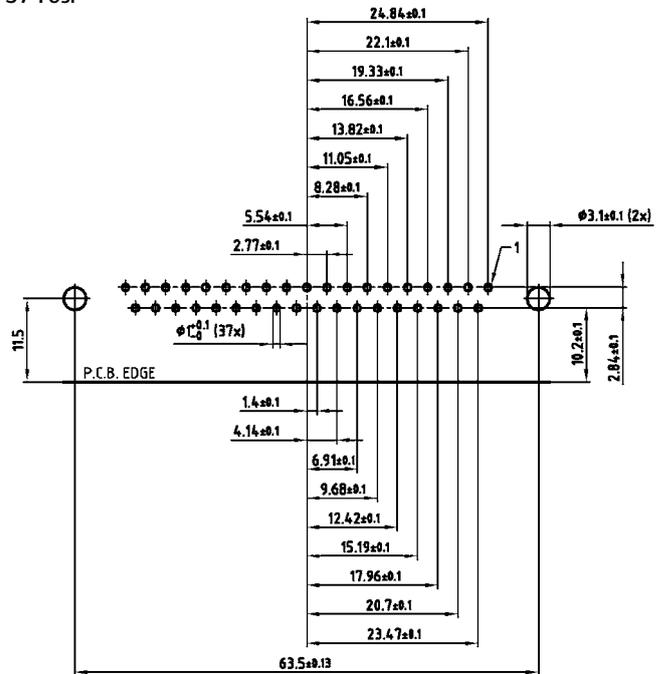
15 POS.



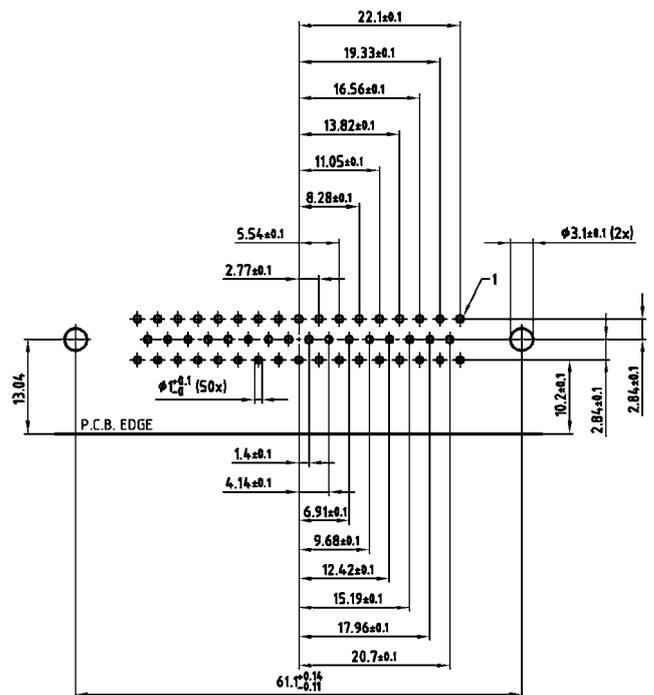
25 POS.



37 POS.



50 POS.

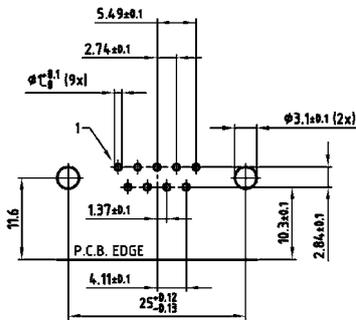


PCB layout Kat1 kGGA (View: component side)

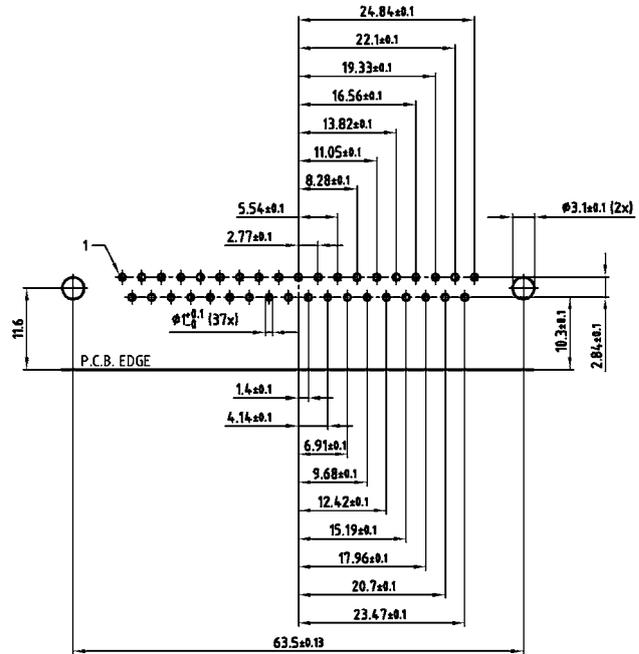
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .370" / 9.4 mm – Plug connector

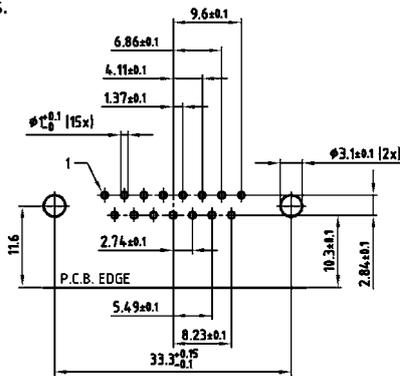
9 POS.



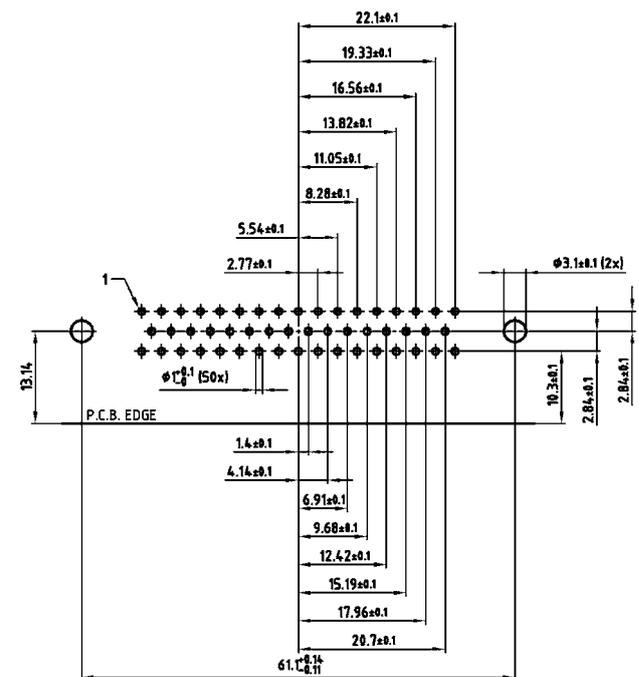
37 POS.



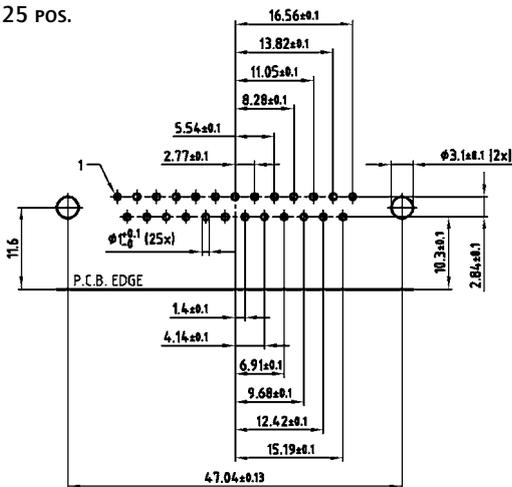
15 POS.



50 POS.



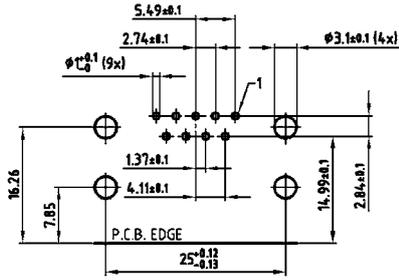
25 POS.



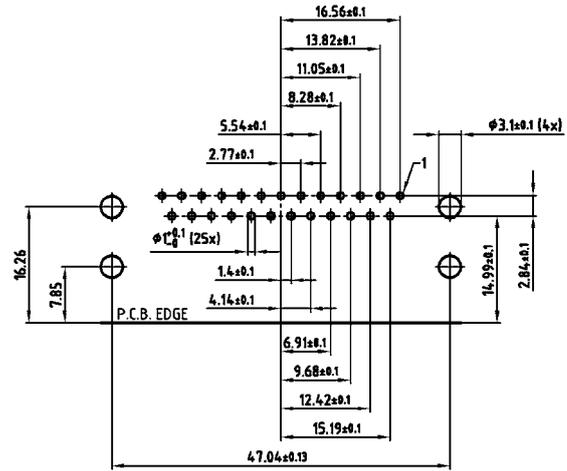
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .590" / 14.19 mm – Socket connector

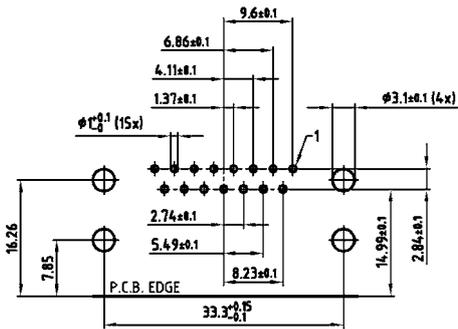
9 pos.



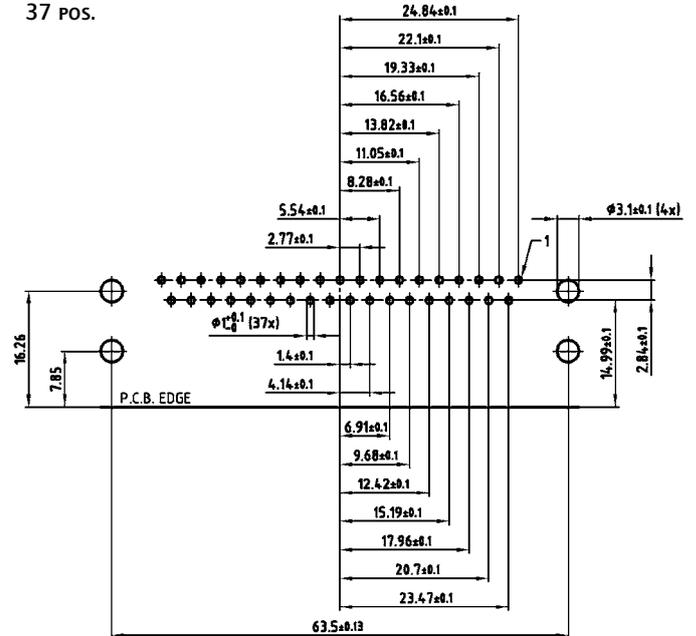
25 pos.



15 pos.



37 pos.

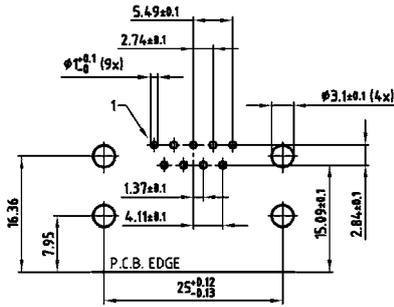


PCB layout Kat1 kGIA (View: component side)

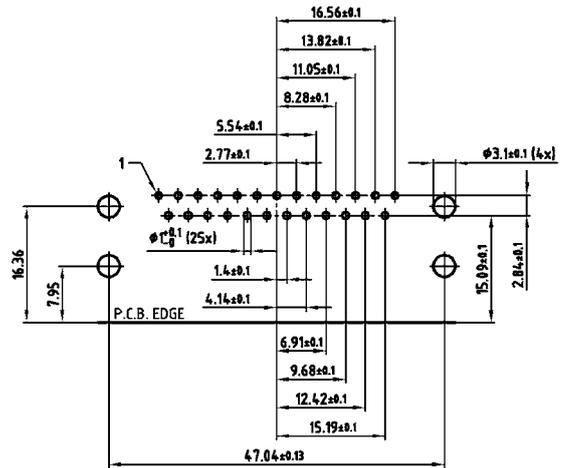
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .590" / 14.19 mm – Plug connector

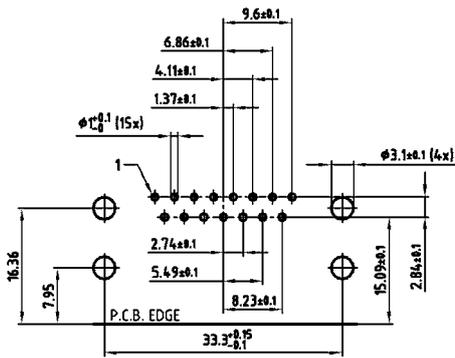
9 pos.



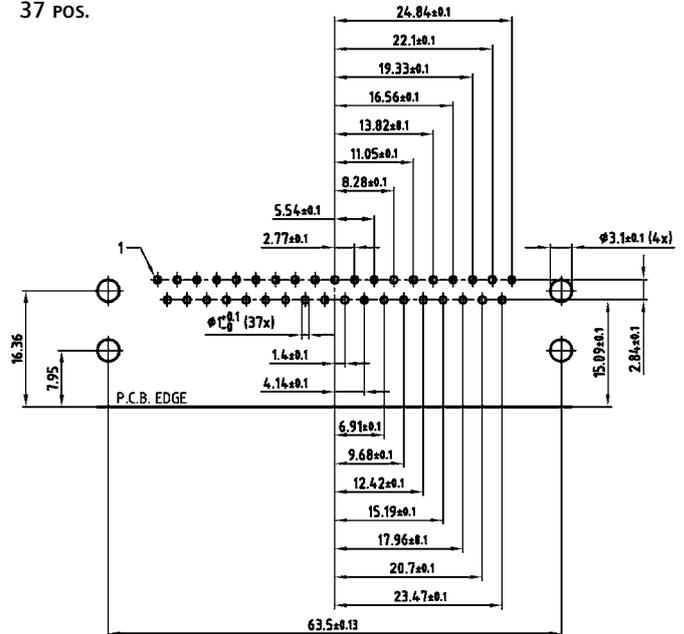
25 pos.



15 pos.



37 pos.



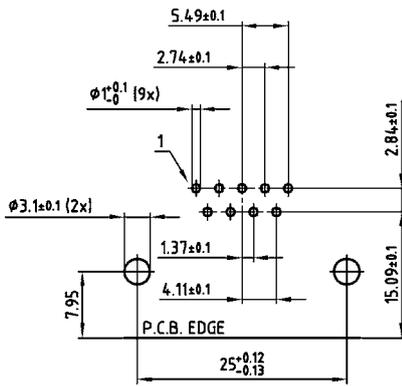
PCB layout Kat1 kGJA (View: component side)



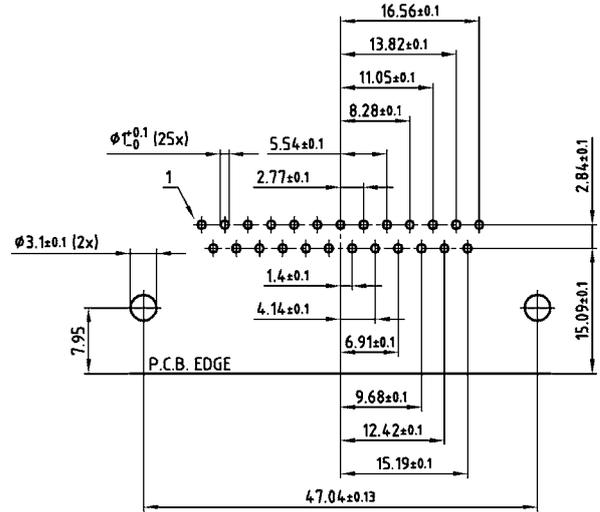
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .590" / 14.19 mm – Short metal bracket – Plug connector

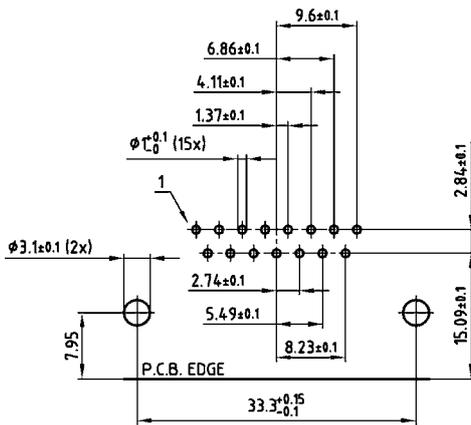
9 POS.



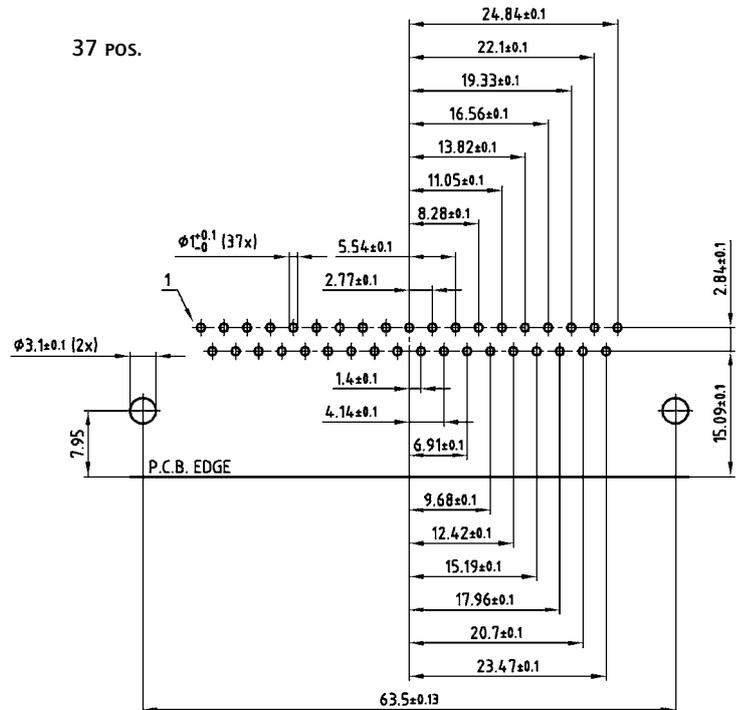
25 POS.



15 POS.



37 POS.

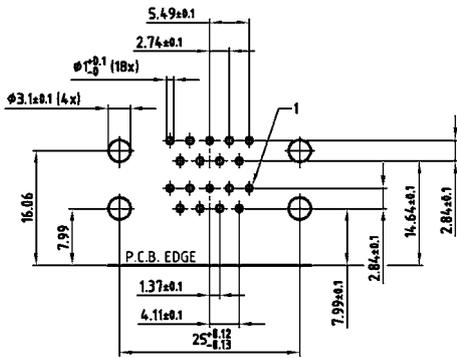


PCB layout Kat1 kGYA (View: component side)

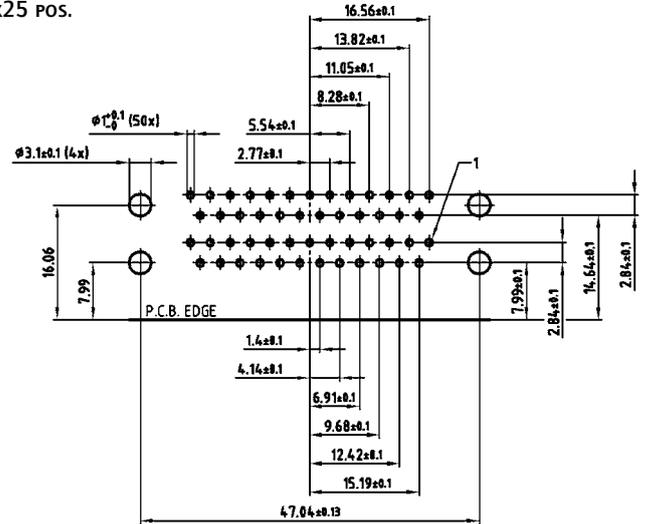
# PCB LAYOUT D-SUB STANDARD

Dual port style – Socket connector bottom

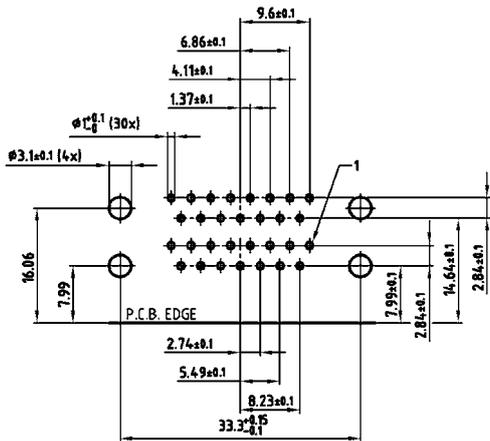
2x9 POS.



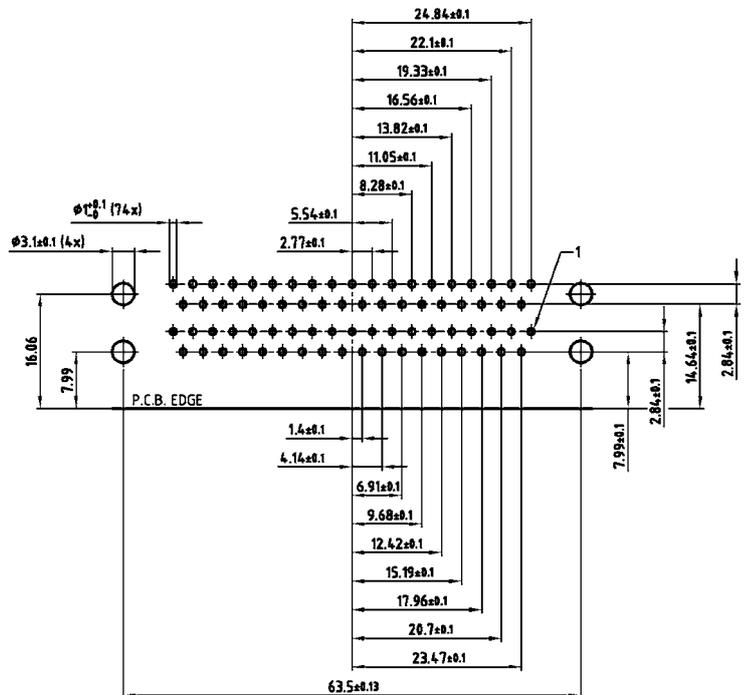
2x25 POS.



2x15 POS.



2x37 POS.

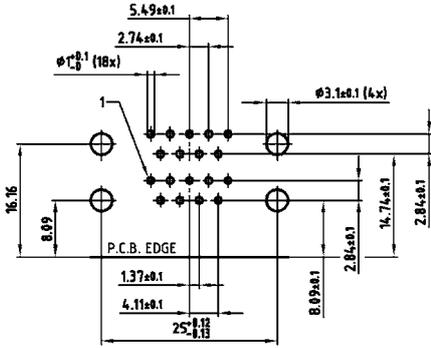


PCB layout Kat1iU6A (View: component side)

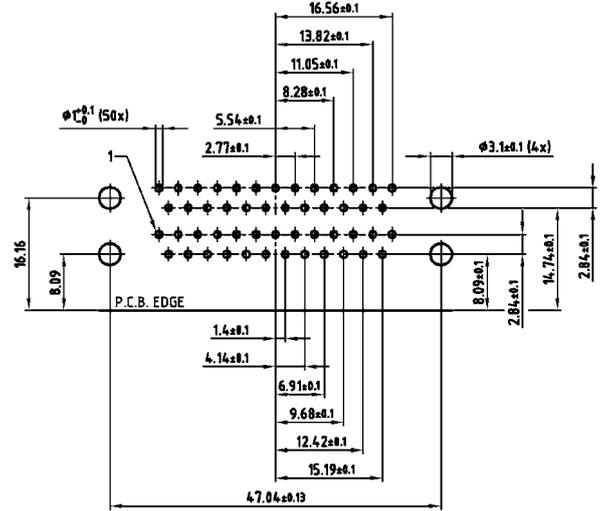
# PCB LAYOUT D-SUB STANDARD

Dual port style – Plug connector bottom

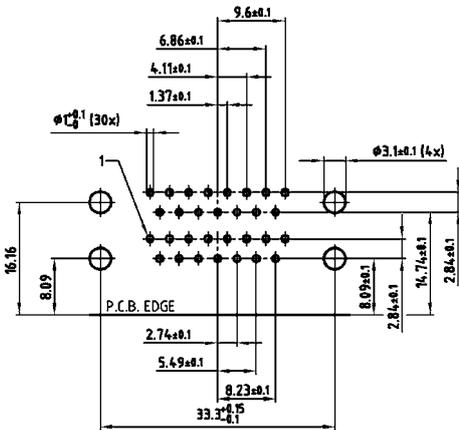
2x9 Pos.



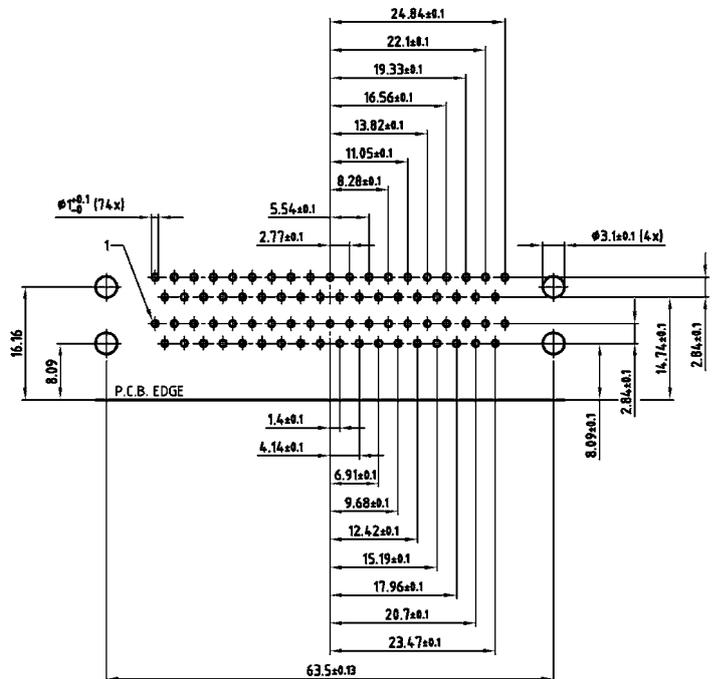
2x25 Pos.



2x15 Pos.



2x37 Pos.

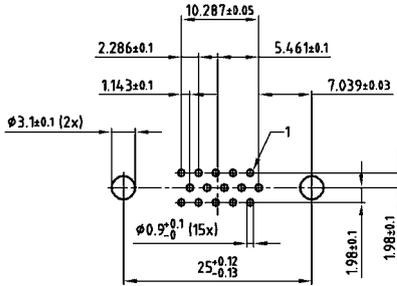


PCB layout Kat1iU5A (View: component side)

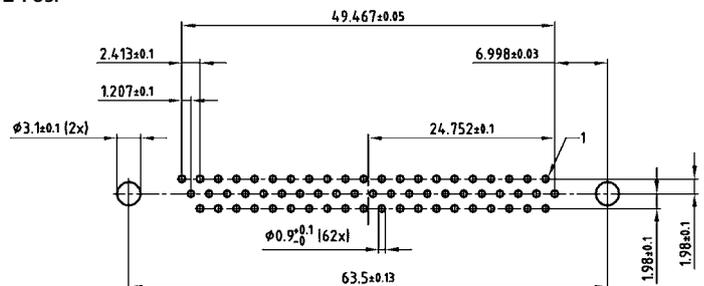
# PCB LAYOUT D-SUB HIGH DENSITY

Solder pin, straight – Socket connector

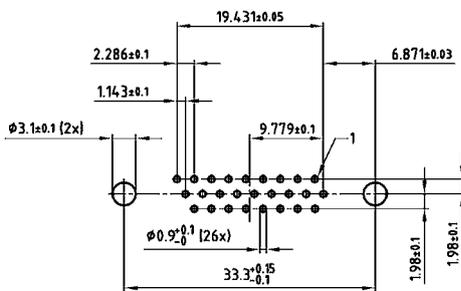
15 POS.



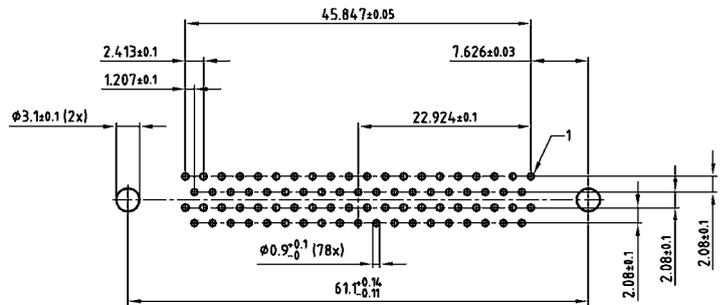
62 POS.



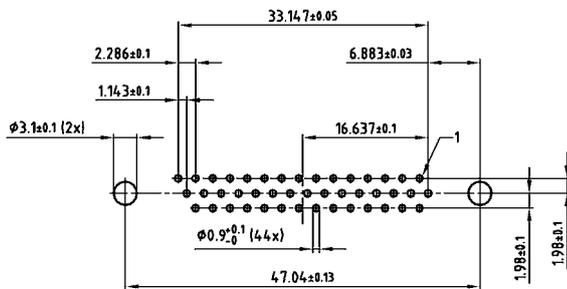
26 POS.



78 POS.



44 POS.

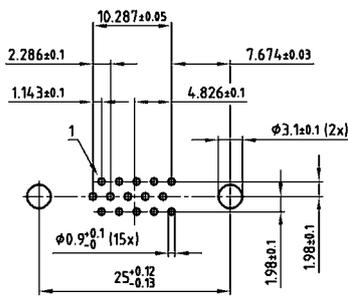


PCB layout Kat1it9A (View: component side)

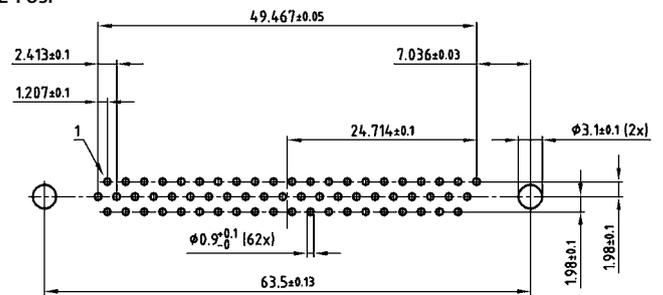
# PCB LAYOUT D-SUB HIGH DENSITY

Solder pin, straight – Plug connector

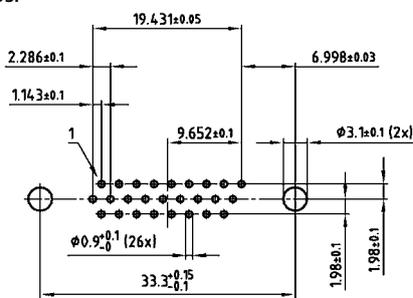
15 POS.



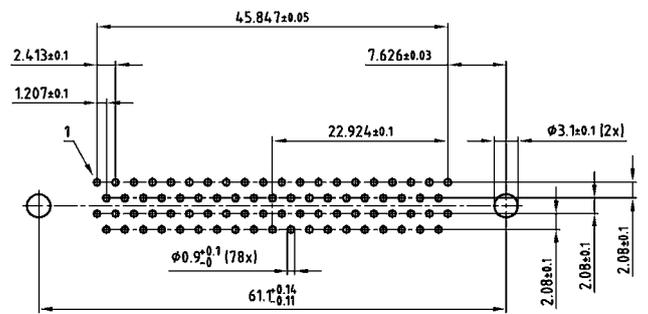
62 POS.



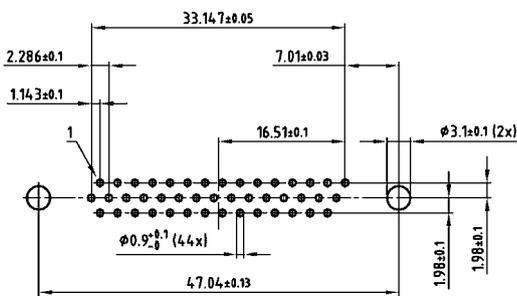
26 POS.



78 POS.



44 POS.



PCB layout Kat1iU0A (View: component side)



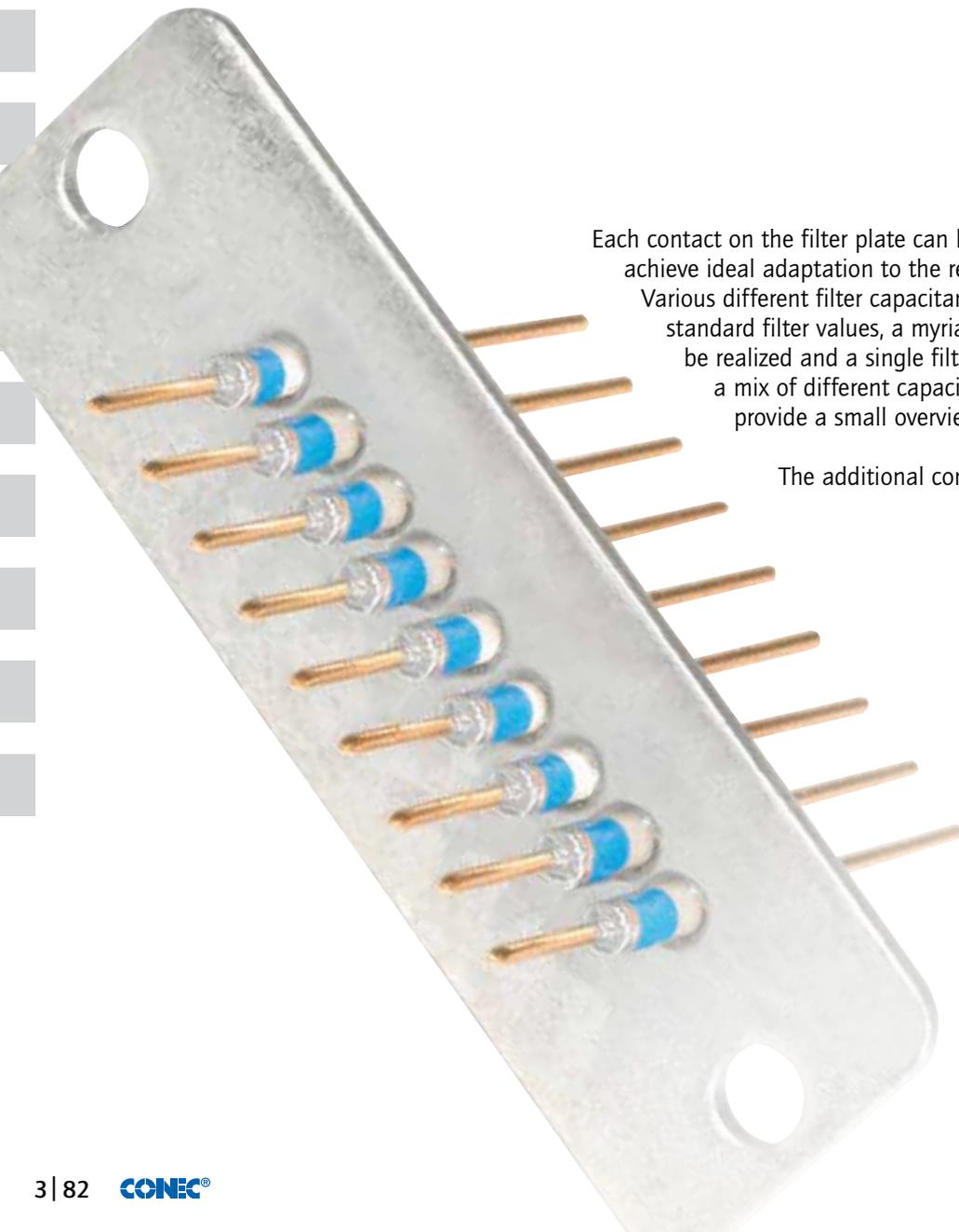


# C- AND $\pi$ -FILTER PLATES

CONEC EMI filter plates are used in modules or systems where the transmission of clean, interference-free signals is a top priority. Filter plates are simple to install, they are either mounted directly on the enclosure or even directly onto the PC board. Mounting holes are provided to fasten the filter plate with screws or rivets.

Each contact on the filter plate can be specified for a C- or  $\pi$ -filter to achieve ideal adaptation to the requirements of the given application. Various different filter capacitance values are available. Aside from standard filter values, a myriad of other filter capacitances can be realized and a single filter plate can also be populated with a mix of different capacitance values. The following pages provide a small overview of standard configurations.

The additional configuration please contact factory.



# PART NUMBER CREATOR

CFP 1 B 2 0 8 C 101 1 X

**Product line**

**Lead spacing configuration**

- 1 = Lead spacing .100" / 2.54 mm
- 2 = Lead spacing .079" / 2.00 mm (only in C-Filter available)

**Base plate size**

- A = 1.060" / 26.92 mm x = .500" / 12.70 mm
- B = 1.560" / 39.62 mm x = .500" / 12.70 mm
- C = 2.560" / 65.02 mm x = .500" / 12.70 mm
- D = 3.560" / 90.42 mm x = .500" / 12.70 mm

**Number of rows**

- 1 = Single row (bottom row)
- 2 = Double rows

**Number of filter per row**

.100" / 2.54 mm lead spacing	.079" / 2.00 mm lead spacing
Plate size A: 01.....05	Plate size A: 02.....06
Plate size B: 01.....10	Plate size B: 03.....12
Plate size C: 01.....20	Plate size C: 10.....25
Plate size D: 13.....30	Plate size D: 20.....37

**Filter circuits**

- C = C-Filter
- P =  $\pi$ -Filter

**Capacitance**

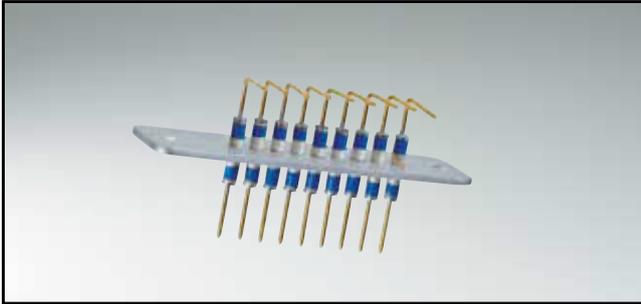
C-Filter	$\pi$ -Filter
680 = 0068pF ± 20%	680 = 0068pF ± 20%
101 = 0100pF ± 20%	101 = 0100pF ± 20%
141 = 0140pF + 100/-0%	141 = 0140pF + 100/-0%
471 = 0470pF ± 20%	471 = 0470pF ± 20%
821 = 0820pF ± 20%	821 = 0820pF ± 20%
102 = 1000pF ± 20%	102 = 1000pF ± 20%
152 = 1500pF ± 20%	172 = 1700pF + 100/-0%
252 = 2500pF + 100/-0%	252 = 2500pF + 100/-0%
402 = 4000pF + 100/-0%	502 = 5000pF + 100/-0%

**Termination**

- 1 = Round contact straight
- 2 = Round contact 90° left
- 3 = Round contact 90° right
- 4 = Round contact 90° both
- 5 = Square contacts straight (only with .100" / 2.54 mm lead spacing available)

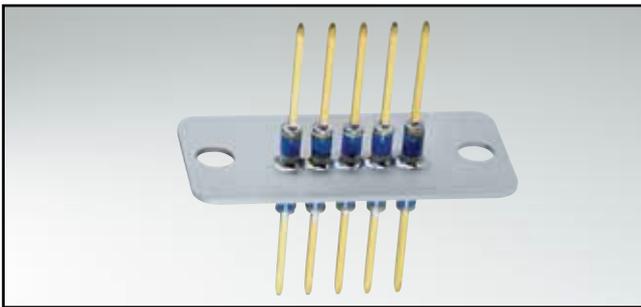
- X = Standard

## OVERVIEW C- AND $\pi$ -FILTER PLATES



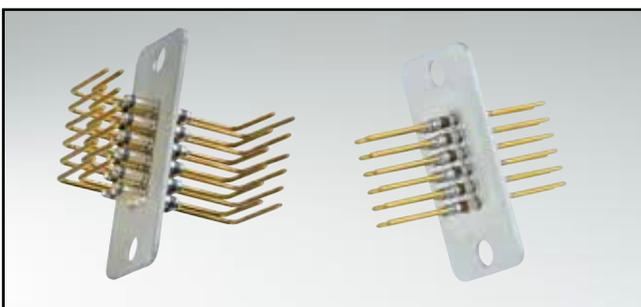
### DESCRIPTION

- C- or  $\pi$ -Filter Plates lead spacing .100"/2.54 mm, 1-row
- Round contact  $\varnothing$  .025"/0.64 mm
- Number of positions: 1-21 filter contacts
- Designs:
  - straight
  - 90° left
  - 90° right
  - 90° both
- Diverse filter capacitance



### DESCRIPTION

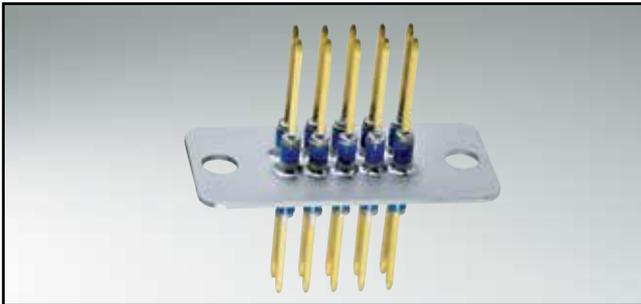
- C- or  $\pi$ -Filter Plates lead spacing .100"/2.54 mm, 1-row
- Square end pin .025"/0,64 x .025"/0,64 mm
- Number of positions: 1-21 filter contacts
- Design: Straight
- Diverse filter capacitance



### DESCRIPTION

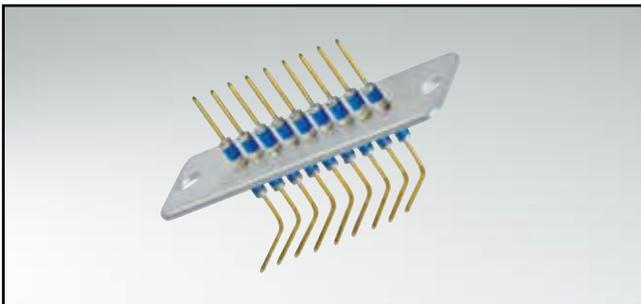
- C- or  $\pi$ -Filter Plates lead spacing .100"/2.54 mm, 2-row
- Round contact  $\varnothing$  .025"/0.64 mm
- Number of positions: 2-42 filter contacts
- Designs:
  - straight
  - 90° left
  - 90° right
  - 90° both
- Diverse filter capacitance

## OVERVIEW C- AND $\pi$ -FILTER PLATES



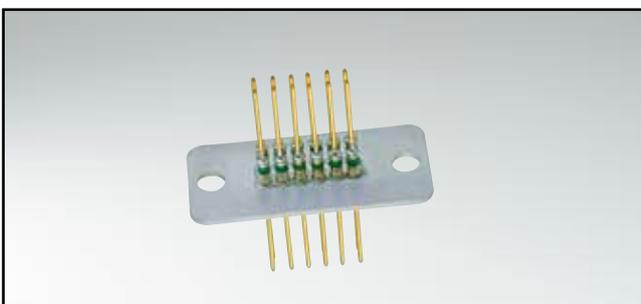
### DESCRIPTION

- C- or  $\pi$ -Filter Plates lead spacing .100"/2.54 mm, 2-row
- Square end pin .025"/0,64 x .025"/0,64 mm
- Number of positions: 2-42 filter contacts
- Design: Straight
- Diverse filter capacitance



### DESCRIPTION

- C- or  $\pi$ -Filter Plates lead spacing .079"/2.00 mm, 1-row
- Round contact  $\varnothing$  .020"/0.51 mm
- Number of positions: 2-28 filter contacts
- Designs:
  - straight
  - 90° left
  - 90° right
  - 90° both
- Diverse filter capacitance



### DESCRIPTION

- C- or  $\pi$ -Filter Plates lead spacing .079"/2.00 mm, 2-row
- Round contact  $\varnothing$  .020"/0.51 mm
- Number of positions: 4-56 filter contacts
- Designs:
  - straight
  - 90° left
  - 90° right
  - 90° both
- Diverse filter capacitance

## SECTION 4

# FILTER COMBINATION D-SUB CONNECTORS

In addition to our filtered connectors such as standard and High Density, D-SUB, CONEC has developed the Combination D-SUB Filter connector product family.

The low pass filters connect each contact through a capacitor to the connector housing.

Filtered D-SUB Connectors used in I/O applications for power in or power out where EMI/RFI problems can occur, are the right solution for those type of occurrences.

Filter capacitance can be selected for specific applications.





Thus if undesirable high-frequency noise should occur in the environment or inside the device itself, the appropriately selected interface connector, fitted with filters, is able to suppress the noise directly at the interface.

Such connectors, for example, can also reliably eliminate the noise frequencies generated by the power supply's own switching operation. The filters employed in these power connectors meet today's safety requirements for surge and DC dielectric strength. Filter connectors in the CONEC product line offer dielectric strength ratings up to 1500 VDC.



# PART NUMBER CREATOR

**3 F 3 S P A 0 8 S 4 1 A 1 O X**

### Variations

2W2C = Coded  
 3W3S = Standard  
 3W3C = Coded  
 5W5S = Standard  
 8W8S = standard (Replace the letter „W“ with letter „F“ = Filtered version)

### Contact type

P = Plug connector  
 S = Socket connector

### Plaiting code/Quality class for contacts

A = Quality class 3 =50 mating cycles  
 C = Quality class 1 =500 mating cycles\* \*on request

### Capacitance

05 = 1.3 nF      14 = 12 nF  
 08 = 5,0 nF      22 = 47 nF  
 12 = 10 nF      28 = 100 nF

### Dielectric with standing voltage

S = 707 VDC standard DWV      U = 1500 VDC ultra high DWV  
 H = 1020 VDC high DWV

### Termination for high current contacts

41 = Solder cup 10 A	51 = Solder pin, straight 30 A, D= .125"/3.18 mm
42 = Solder cup 20 A	52 = Solder pin, straight 40 A, D= .148"/3.75 mm
43 = Solder cup 30 A	53 = Solder pin, straight 50 A, D= .148"/3.75 mm
44 = Solder cup 40 A	56 = Solder pin, angled 20 A
45 = Solder cup 50 A	57 = Solder pin, angled 30 A
46 = Solder cup 65 A*	58 = Solder pin, angled 40 A
48 = Solder pin, straight 20 A, D= .077"/1.95 mm	P1 = Press fit 30 A
49 = Solder pin, straight 20 A, D= .102"/2.60 mm	P2 = Press fit 30 A
50 = Solder pin, straight 20 A, D= .112"/2.85 mm	P4 = Press fit 30 A

\*3W3: Pos. A1 + A3; 5W5: Pos. A1 + A3 + A5

### Mounting style

A1 = Riveted	E3 = M3 threaded rear spacer with PCB clip, PCB .091"/2.30 mm
A2 = M3 threaded insert	E4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091"/2.30 mm
A3 = 4-40 UNC threaded insert	E5 = M3 threaded rear spacer with PCB clip, PCB .126"/3.20 mm
A4 = M3 threaded rear spacer	E6 = 4-40 UNC threaded rear spacer with PCB clip, PCB .126"/3.20 mm
A5 = 4-40 UNC threaded rear spacer	F1 = M3 front/threaded rear spacer with PCB clip, PCB .063"/1.60 mm
A9 = Threaded rear spacer with M3 press fit	F2 = 4-40 UNC front/threaded rear spacer with PCB clip, PCB .063"/1.60 mm
AA = Threaded rear spacer with 4-40 UNC press fit	F3 = M3 front/threaded rear spacer with PCB clip, PCB .091"/2.30 mm
C1 = M3 threaded rear spacer with PCB clip, PCB .063"/1.60 mm	F4 = 4-40 UNC front/threaded rear spacer with PCB clip, PCB .091"/2.30 mm
C2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063"/1.60 mm	F5 = M3 front/threaded rear spacer with PCB clip, PCB .126"/3.20 mm
C3 = M3 threaded rear spacer with PCB clip, PCB .091"/2.30 mm	F6 = 4-40 UNC front/threaded rear spacer with PCB clip, PCB .126"/3.20 mm
C4 = 4-40 UNC threaded rear spacer with PCB clip, PCB .091"/2.30 mm	K1 = Metal bracket, M3 threaded insert
C5 = M3 threaded rear spacer with PCB clip, PCB .126"/3.20 mm	K2 = Metal bracket, 4-40 UNC threaded insert
C6 = 4-40 UNC threaded rear spacer with PCB clip, PCB .126"/3.20 mm	K3 = Metal bracket, M3 threaded insert /PCB clip
D1 = M3 front/threaded rear spacer with PCB clip, PCB .063"/1.60 mm	K4 = Metal bracket, 4-40 UNC threaded insert /PCB clip
D2 = 4-40 UNC front/threaded rear spacer with PCB clip, PCB .063"/1.60 mm	L1 = Metal bracket, M3 threaded lock
D3 = M3 front/threaded rear spacer with PCB clip, PCB .091"/2.30 mm	L2 = Metal bracket, 4-40 UNC threaded lock
D4 = 4-40 UNC front/threaded rear spacer with PCB clip .091"/2.30 mm	L3 = Metal bracket, M3 threaded lock /PCB clip
D5 = M3 front/threaded rear spacer with PCB clip, PCB .126"/3.20 mm	L4 = Metal bracket, 4-40 UNC threaded lock /PCB clip
D6 = 4-40 UNC front/threaded rear spacer with PCB clip, PCB .126"/3.20 mm	W3 = Press-fit spacer with M3 push in pin
E1 = M3 front/threaded rear spacer with PCB clip, PCB .063"/1.60 mm	W4 = Press-fit spacer with 4-40 UNC push in pin
E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063"/1.60 mm	

OX = Standard

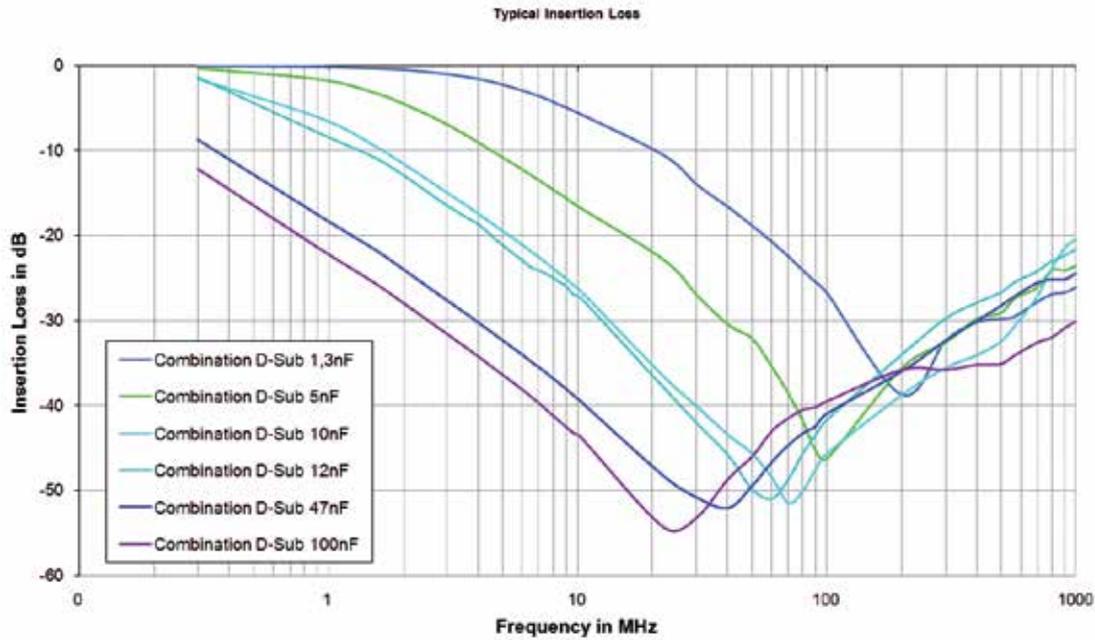
# TECHNICAL DATA

<b>Materiala</b>	<b>Variations</b> 2W2C – 3W3C – 3W3 – 5W5 – 8W8		
<b>Insulator</b>	Polyester GF UL94 V0		
<b>Contacts</b>	CU alloy		
<b>Contact plating</b>	Mating area gold plated over nickel / termination area tin or gold plated		
<b>Shell</b>	Steel tin plated		
<b>Mechanical and electrical characteristics</b>			
<b>Test voltage U eff/NM</b>	1000 V		
<b>Dielectric with standing voltage</b>	Standard DWV 707 VDC/high DWV 1020 VDC / ultra high DWV 1500 VDC		
<b>Working voltage</b>	100 VDC Depending on isolation coordination (refer to DIN VDE 0110/IEC 664-1)		
<b>Contact resistance</b>	Max. 2 mΩ prior to stressing, Δ R max. 2 mΩ after stressing per DIN 41652, Part 2		
<b>Insulation resistance</b>	≥1 GΩ at 100 VDC		
<b>Current rating</b>	up to 65 A (20°C)		
<b>Temperature storage range</b>	-55°C to + 125°C		
<b>Temperature working range</b>	-55°C to + 125°C		
<b>Humidity</b>	40°C / 85% relative humidity / RH		
<b>Capacitor values</b> For other capacitance values please contact the factory.	1.3 nF ± 20% tolerance		12 nF ± 20% tolerance
	5 nF ± 20% tolerance		47 nF ± 20% tolerance
	10 nF ± 20% tolerance		100 nF ± 20% tolerance
<b>Quality class</b>	A = Quality class 3 = 50 mating cycles C = Quality class 1 = 500 mating cycles		
<b>Solder parameter</b>	<b>Preheating</b>		<b>Solder terminal dipping parameters</b>
	max. Temperature	Duration	max. solder bath Temperature
<b>Recommended wave-solder parameters</b>	120°C	120s	max. Terminal Immersion Time 5s

Technical specifications are subject to change without notice.

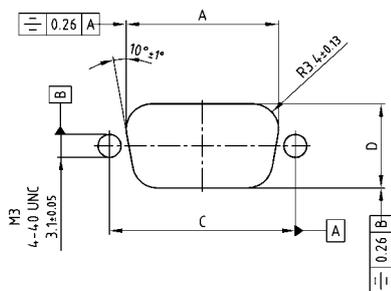
# INSERTION LOSS

## C-FILTER

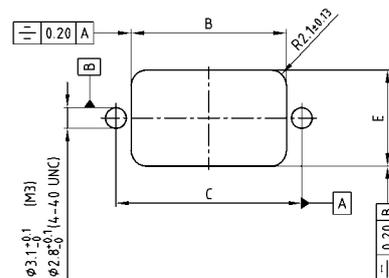


### PANEL CUT-OUT

#### Rear panel mounting



#### Front panel mounting



Shell size	A ± 0.1	B ± 0.1	C ± 0.1	D ± 0.1	E ± 0.1
9	20.50	20.90	25.00	11.40	13.00
15	28.80	29.20	33.30	11.40	13.00
25	42.50	42.90	47.04	11.40	13.00
37	59.10	59.40	63.50	11.40	13.00
50	56.30	57.00	61.10	14.10	15.80

# C-FILTER COMBINATION D-SUB 2W2C

Solder cup – Precision machined contacts – For wire size AWG 8...20

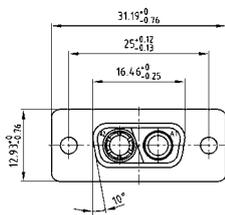


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

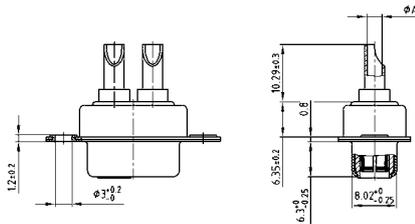
- Coding design = 1 Plug and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

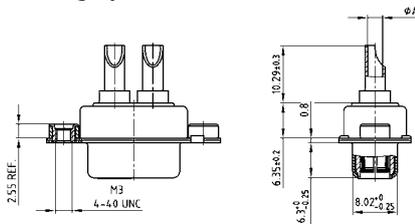


Termination Code	Current Rating	Wire Size	Ø A
41	10A	AWG 16-20	1.80
42	20A	AWG 12-14	2.70
43	30A	AWG 10-12	3.50
44	40A	AWG 8-10	4.80

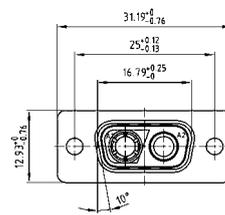
Mounting style: Through-hole



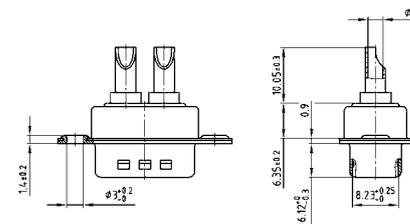
Mounting style: Threaded insert



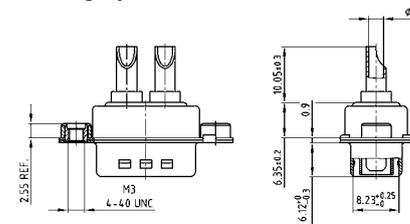
## PLUG CONNECTOR



Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
2W2C	Through-hole	16...20	47 nF	2F2CSA 22 S41A10X
2W2C	Through-hole	12...14	47 nF	2F2CSA 22 S42A10X
2W2C	Through-hole	10...12	47 nF	2F2CSA 22 S43A10X
2W2C	Through-hole	8...10	47 nF	2F2CSA 22 S44A10X
2W2C	4-40 UNC Threaded insert	16...20	47 nF	2F2CSA 22 S41A30X
2W2C	4-40 UNC Threaded insert	12...14	47 nF	2F2CSA 22 S42A30X
2W2C	4-40 UNC Threaded insert	10...12	47 nF	2F2CSA 22 S43A30X
2W2C	4-40 UNC Threaded insert	8...10	47 nF	2F2CSA 22 S44A30X
2W2C	M3 Threaded insert	16...20	47 nF	2F2CSA 22 S41A20X
2W2C	M3 Threaded insert	12...14	47 nF	2F2CSA 22 S42A20X
2W2C	M3 Threaded insert	10...12	47 nF	2F2CSA 22 S43A20X
2W2C	M3 Threaded insert	8...10	47 nF	2F2CSA 22 S44A20X

PLUG CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
2W2C	Through-hole	16...20	47 nF	2F2CPA 22 S41A10X
2W2C	Through-hole	12...14	47 nF	2F2CPA 22 S42A10X
2W2C	Through-hole	10...12	47 nF	2F2CPA 22 S43A10X
2W2C	Through-hole	8...10	47 nF	2F2CPA 22 S44A10X
2W2C	4-40 UNC Threaded insert	16...20	47 nF	2F2CPA 22 S41A30X
2W2C	4-40 UNC Threaded insert	12...14	47 nF	2F2CPA 22 S42A30X
2W2C	4-40 UNC Threaded insert	10...12	47 nF	2F2CPA 22 S43A30X
2W2C	4-40 UNC Threaded insert	8...10	47 nF	2F2CPA 22 S44A30X
2W2C	M3 Threaded insert	16...20	47 nF	2F2CPA 22 S41A20X
2W2C	M3 Threaded insert	12...14	47 nF	2F2CPA 22 S42A20X
2W2C	M3 Threaded insert	10...12	47 nF	2F2CPA 22 S43A20X
2W2C	M3 Threaded insert	8...10	47 nF	2F2CPA 22 S44A20X

For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3

Solder cup – Precision machined contacts – For wire size AWG 8...20

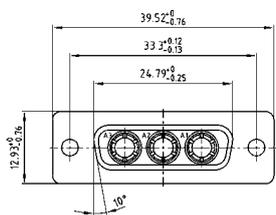


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

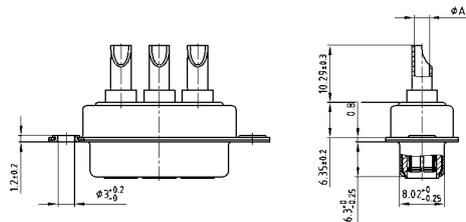
- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole,  $\varnothing$  .118" / 3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

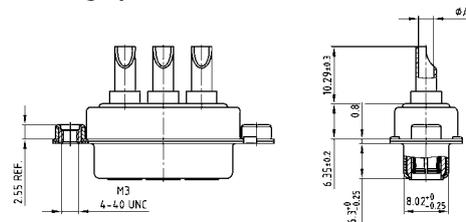


Termination Code	Current Rating	Wire Size	Ø A
41	10A	AWG 16-20	1.80
42	20A	AWG 12-14	2.70
43	30A	AWG 10-12	3.50
44	40A	AWG 8-10	4.80

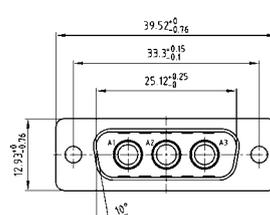
Mounting style: Through-hole



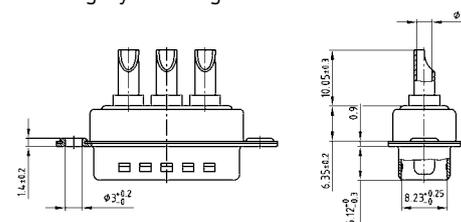
Mounting style: Threaded insert



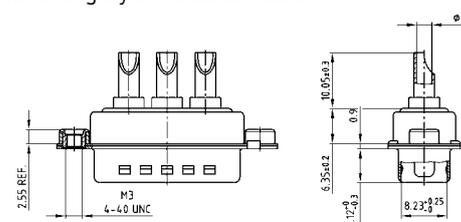
## PLUG CONNECTOR



Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
3W3	Through-hole	16...20	47 nF	3F3SSA 22 S41A10X
3W3	Through-hole	12...14	47 nF	3F3SSA 22 S42A10X
3W3	Through-hole	10...12	47 nF	3F3SSA 22 S43A10X
3W3	Through-hole	8...10	47 nF	3F3SSA 22 S44A10X
3W3	4-40 UNC Threaded insert	16...20	47 nF	3F3SSA 22 S41A30X
3W3	4-40 UNC Threaded insert	12...14	47 nF	3F3SSA 22 S42A30X
3W3	4-40 UNC Threaded insert	10...12	47 nF	3F3SSA 22 S43A30X
3W3	4-40 UNC Threaded insert	8...10	47 nF	3F3SSA 22 S44A30X
3W3	M3 Threaded insert	16...20	47 nF	3F3SSA 22 S41A20X
3W3	M3 Threaded insert	12...14	47 nF	3F3SSA 22 S42A20X
3W3	M3 Threaded insert	10...12	47 nF	3F3SSA 22 S43A20X
3W3	M3 Threaded insert	8...10	47 nF	3F3SSA 22 S44A20X

PLUG CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
3W3	Through-hole	16...20	47 nF	3F3SPA 22 S41A10X
3W3	Through-hole	12...14	47 nF	3F3SPA 22 S42A10X
3W3	Through-hole	10...12	47 nF	3F3SPA 22 S43A10X
3W3	Through-hole	8...10	47 nF	3F3SPA 22 S44A10X
3W3	4-40 UNC Threaded insert	16...20	47 nF	3F3SPA 22 S41A30X
3W3	4-40 UNC Threaded insert	12...14	47 nF	3F3SPA 22 S42A30X
3W3	4-40 UNC Threaded insert	10...12	47 nF	3F3SPA 22 S43A30X
3W3	4-40 UNC Threaded insert	8...10	47 nF	3F3SPA 22 S44A30X
3W3	M3 Threaded insert	16...20	47 nF	3F3SPA 22 S41A20X
3W3	M3 Threaded insert	12...14	47 nF	3F3SPA 22 S42A20X
3W3	M3 Threaded insert	10...12	47 nF	3F3SPA 22 S43A20X
3W3	M3 Threaded insert	8...10	47 nF	3F3SPA 22 S44A20X

For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3C

Solder cup – Precision machined contacts – For wire size AWG 8...20

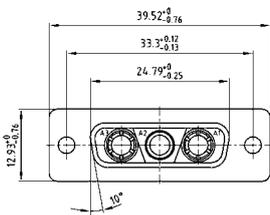


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## DESCRIPTION

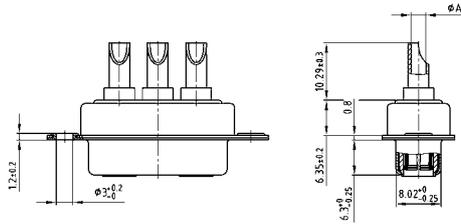
- Coded socket connector = 1 Plug and 2 Socket contacts
- Coded plug connector = 2 Plugs and 1 Socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

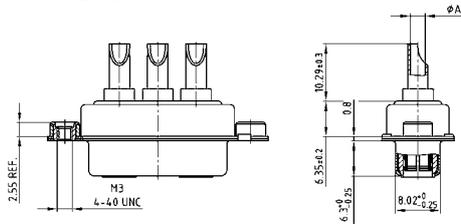


Termination Code	Current Rating	Wire Size	Ø A
41	10A	AWG 16-20	1.80
42	20A	AWG 12-14	2.70
43	30A	AWG 10-12	3.50
44	40A	AWG 8-10	4.80

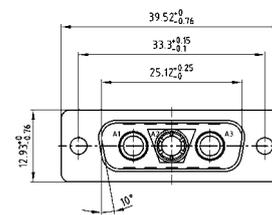
Mounting style: Through-hole



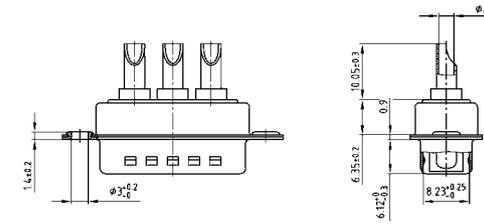
Mounting style: Threaded insert



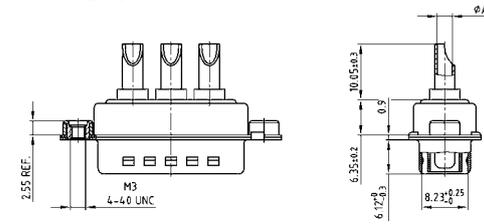
## PLUG CONNECTOR



Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
3W3C	Through-hole	16...20	47 nF	3F3CSA 22 S41A10X
3W3C	Through-hole	12...14	47 nF	3F3CSA 22 S42A10X
3W3C	Through-hole	10...12	47 nF	3F3CSA 22 S43A10X
3W3C	Through-hole	8...10	47 nF	3F3CSA 22 S44A10X
3W3C	4-40 UNC Threaded insert	16...20	47 nF	3F3CSA 22 S41A30X
3W3C	4-40 UNC Threaded insert	12...14	47 nF	3F3CSA 22 S42A30X
3W3C	4-40 UNC Threaded insert	10...12	47 nF	3F3CSA 22 S43A30X
3W3C	4-40 UNC Threaded insert	8...10	47 nF	3F3CSA 22 S44A30X
3W3C	M3 Threaded insert	16...20	47 nF	3F3CSA 22 S41A20X
3W3C	M3 Threaded insert	12...14	47 nF	3F3CSA 22 S42A20X
3W3C	M3 Threaded insert	10...12	47 nF	3F3CSA 22 S43A20X
3W3C	M3 Threaded insert	8...10	47 nF	3F3CSA 22 S44A20X

PLUG CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
3W3C	Through-hole	16...20	47 nF	3F3CPA 22 S41A10X
3W3C	Through-hole	12...14	47 nF	3F3CPA 22 S42A10X
3W3C	Through-hole	10...12	47 nF	3F3CPA 22 S43A10X
3W3C	Through-hole	8...10	47 nF	3F3CPA 22 S44A10X
3W3C	4-40 UNC Threaded insert	16...20	47 nF	3F3CPA 22 S41A30X
3W3C	4-40 UNC Threaded insert	12...14	47 nF	3F3CPA 22 S42A30X
3W3C	4-40 UNC Threaded insert	10...12	47 nF	3F3CPA 22 S43A30X
3W3C	4-40 UNC Threaded insert	8...10	47 nF	3F3CPA 22 S44A30X
3W3C	M3 Threaded insert	16...20	47 nF	3F3CPA 22 S41A20X
3W3C	M3 Threaded insert	12...14	47 nF	3F3CPA 22 S42A20X
3W3C	M3 Threaded insert	10...12	47 nF	3F3CPA 22 S43A20X
3W3C	M3 Threaded insert	8...10	47 nF	3F3CPA 22 S44A20X

For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 5W5

Solder cup – Precision machined contacts – For wire size AWG 8...20

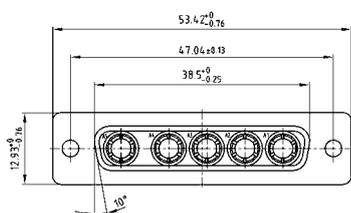


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## DESCRIPTION

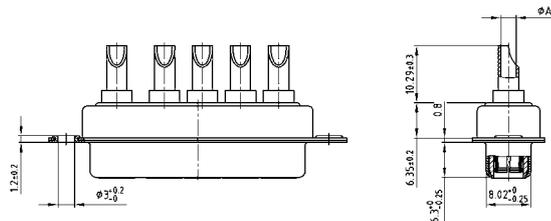
- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole,  $\varnothing$  .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

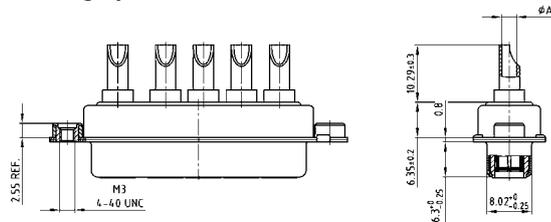


Termination Code	Current Rating	Wire Size	Ø A
41	10A	AWG 16-20	1.80
42	20A	AWG 12-14	2.70
43	30A	AWG 10-12	3.50
44	40A	AWG 8-10	4.80

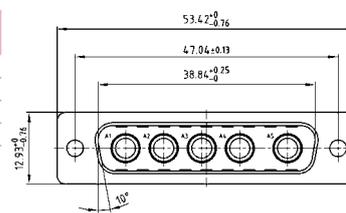
Mounting style: Through-hole



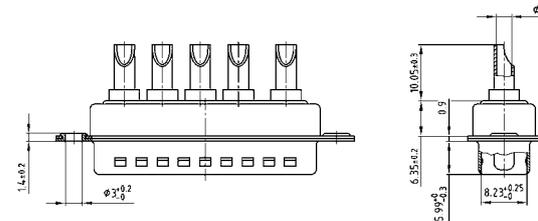
Mounting style: Threaded insert



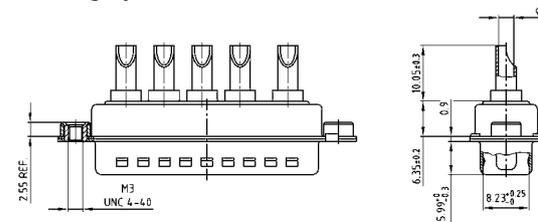
## PLUG CONNECTOR



Mounting style: Through-hole



Mounting style: Threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
5W5	Through-hole	16...20	47 nF	5F5SSA 22 S41A10X
5W5	Through-hole	12...14	47 nF	5F5SSA 22 S42A10X
5W5	Through-hole	10...12	47 nF	5F5SSA 22 S43A10X
5W5	Through-hole	8...10	47 nF	5F5SSA 22 S44A10X
5W5	4-40 UNC Threaded insert	16...20	47 nF	5F5SSA 22 S41A30X
5W5	4-40 UNC Threaded insert	12...14	47 nF	5F5SSA 22 S42A30X
5W5	4-40 UNC Threaded insert	10...12	47 nF	5F5SSA 22 S43A30X
5W5	4-40 UNC Threaded insert	8...10	47 nF	5F5SSA 22 S44A30X
5W5	M3 Threaded insert	16...20	47 nF	5F5SSA 22 S41A20X
5W5	M3 Threaded insert	12...14	47 nF	5F5SSA 22 S42A20X
5W5	M3 Threaded insert	10...12	47 nF	5F5SSA 22 S43A20X
5W5	M3 Threaded insert	8...10	47 nF	5F5SSA 22 S44A20X

PLUG CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
5W5	Through-hole	16...20	47 nF	5F5SPA 22 S41A10X
5W5	Through-hole	12...14	47 nF	5F5SPA 22 S42A10X
5W5	Through-hole	10...12	47 nF	5F5SPA 22 S43A10X
5W5	Through-hole	8...10	47 nF	5F5SPA 22 S44A10X
5W5	4-40 UNC Threaded insert	16...20	47 nF	5F5SPA 22 S41A30X
5W5	4-40 UNC Threaded insert	12...14	47 nF	5F5SPA 22 S42A30X
5W5	4-40 UNC Threaded insert	10...12	47 nF	5F5SPA 22 S43A30X
5W5	4-40 UNC Threaded insert	8...10	47 nF	5F5SPA 22 S44A30X
5W5	M3 Threaded insert	16...20	47 nF	5F5SPA 22 S41A20X
5W5	M3 Threaded insert	12...14	47 nF	5F5SPA 22 S42A20X
5W5	M3 Threaded insert	10...12	47 nF	5F5SPA 22 S43A20X
5W5	M3 Threaded insert	8...10	47 nF	5F5SPA 22 S44A20X

For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 8W8

Solder cup – Precision machined contacts – For wire size AWG 8...20

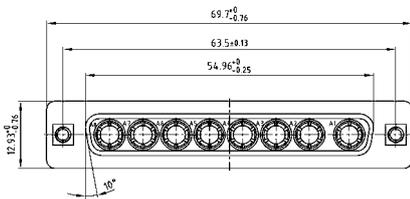


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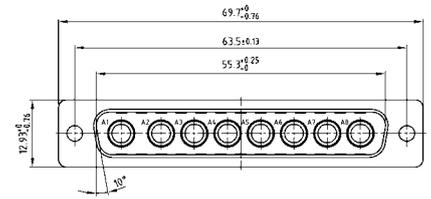
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

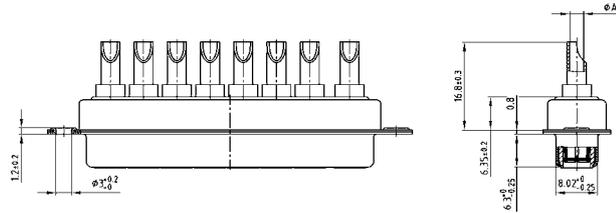
## SOCKET CONNECTOR



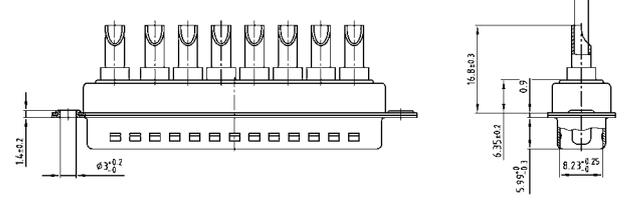
Termination Code	Current Rating	Wire Size	Ø A
41	10A	AWG 16-20	1.80
42	20A	AWG 12-14	2.70
43	30A	AWG 10-12	3.50
44	40A	AWG 8-10	4.80



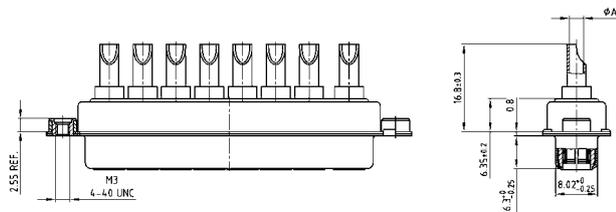
Mounting style: Through-hole



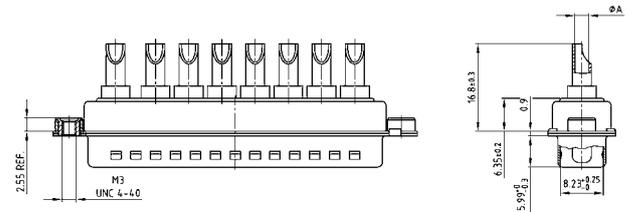
Mounting style: Through-hole



Mounting style: Threaded insert



Mounting style: Threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
8W8	Through-hole	16...20	47 nF	8F8SSA 22 S41A10X
8W8	Through-hole	12...14	47 nF	8F8SSA 22 S42A10X
8W8	Through-hole	10...12	47 nF	8F8SSA 22 S43A10X
8W8	Through-hole	8...10	47 nF	8F8SSA 22 S44A10X
8W8	4-40 UNC Threaded insert	16...20	47 nF	8F8SSA 22 S41A30X
8W8	4-40 UNC Threaded insert	12...14	47 nF	8F8SSA 22 S42A30X
8W8	4-40 UNC Threaded insert	10...12	47 nF	8F8SSA 22 S43A30X
8W8	4-40 UNC Threaded insert	8...10	47 nF	8F8SSA 22 S44A30X
8W8	M3 Threaded insert	16...20	47 nF	8F8SSA 22 S41A20X
8W8	M3 Threaded insert	12...14	47 nF	8F8SSA 22 S42A20X
8W8	M3 Threaded insert	10...12	47 nF	8F8SSA 22 S43A20X
8W8	M3 Threaded insert	8...10	47 nF	8F8SSA 22 S44A20X

PLUG CONNECTOR				
Type	Mounting style	AWG	Capacitance	Part Number
8W8	Through-hole	16...20	47 nF	8F8SPA 22 S41A10X
8W8	Through-hole	12...14	47 nF	8F8SPA 22 S42A10X
8W8	Through-hole	10...12	47 nF	8F8SPA 22 S43A10X
8W8	Through-hole	8...10	47 nF	8F8SPA 22 S44A10X
8W8	4-40 UNC Threaded insert	16...20	47 nF	8F8SPA 22 S41A30X
8W8	4-40 UNC Threaded insert	12...14	47 nF	8F8SPA 22 S42A30X
8W8	4-40 UNC Threaded insert	10...12	47 nF	8F8SPA 22 S43A30X
8W8	4-40 UNC Threaded insert	8...10	47 nF	8F8SPA 22 S44A30X
8W8	M3 Threaded insert	16...20	47 nF	8F8SPA 22 S41A20X
8W8	M3 Threaded insert	12...14	47 nF	8F8SPA 22 S42A20X
8W8	M3 Threaded insert	10...12	47 nF	8F8SPA 22 S43A20X
8W8	M3 Threaded insert	8...10	47 nF	8F8SPA 22 S44A20X

For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

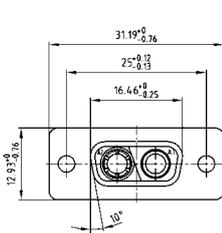
# C-FILTER COMBINATION D-SUB 2W2C

Solder pin – Straight – Precision machined contacts

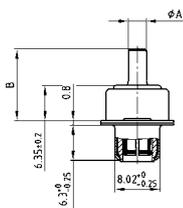


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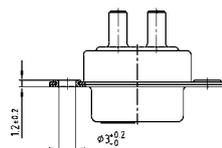
## SOCKET CONNECTOR



Termination Code	Current Rating	Ø A	B ± 0.3	PCB Thickness
48	20A	1.95	9.65	1.6
49	20A	2.60	10.65	1.6
50	20A	2.85	10.05	1.6
51	30A	3.18	12.85	1.6/ 2.3/ 3.2
52	40A	3.75	11.10	1.6/ 2.3/ 3.2



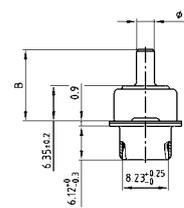
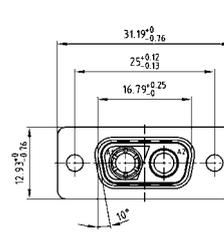
Mounting style: Through-hole



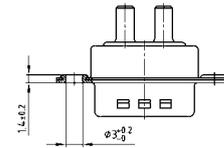
## DESCRIPTION

- Coded design = 1 plug and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole Ø .118"/3.0 mm
  - with 4-40 UNC threaded insert
  - with 4-40 UNC threaded rear spacer
  - with 4-40 UNC threaded rear spacer with PCB clip, .291"/7.4 mm
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## PLUG CONNECTOR



Mounting style: Through-hole



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
2W2C	Through-hole	.080"/1.95	47 nF	2F2CSA 22 S48A10X
2W2C	Through-hole	.102"/2.60	47 nF	2F2CSA 22 S49A10X
2W2C	Through-hole	.110"/2.85	47 nF	2F2CSA 22 S50A10X
2W2C	Through-hole	.130"/3.18	47 nF	2F2CSA 22 S51A10X
2W2C	Through-hole	.150"/3.75	47 nF	2F2CSA 22 S52A10X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
2W2C	Through-hole	.080"/1.95	47 nF	2F2CPA 22 S48A10X
2W2C	Through-hole	.102"/2.60	47 nF	2F2CPA 22 S49A10X
2W2C	Through-hole	.110"/2.85	47 nF	2F2CPA 22 S50A10X
2W2C	Through-hole	.130"/3.18	47 nF	2F2CPA 22 S51A10X
2W2C	Through-hole	.150"/3.75	47 nF	2F2CPA 22 S52A10X

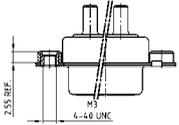
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 2W2C – MOUNTING STYLES

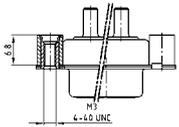
## Solder pin – Straight – Precision machined contacts

### ORDER DATA



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded insert	.080"/1.95	47 nF	2F2CSA 22 S48A30X
2W2C	Threaded insert	.102"/2.60	47 nF	2F2CSA 22 S49A30X
2W2C	Threaded insert	.110"/2.85	47 nF	2F2CSA 22 S50A30X
2W2C	Threaded insert	.130"/3.18	47 nF	2F2CSA 22 S51A30X
2W2C	Threaded insert	.150"/3.75	47 nF	2F2CSA 22 S52A30X

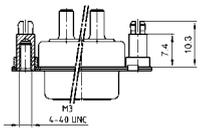
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded insert	.080"/1.95	47 nF	2F2CPA 22 S48A30X
2W2C	Threaded insert	.102"/2.60	47 nF	2F2CPA 22 S49A30X
2W2C	Threaded insert	.110"/2.85	47 nF	2F2CPA 22 S50A30X
2W2C	Threaded insert	.130"/3.18	47 nF	2F2CPA 22 S51A30X
2W2C	Threaded insert	.150"/3.75	47 nF	2F2CPA 22 S52A30X



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer	.080"/1.95	47 nF	2F2CSA 22 S48A50X
2W2C	Threaded rear spacer	.102"/2.60	47 nF	2F2CSA 22 S49A50X
2W2C	Threaded rear spacer	.110"/2.85	47 nF	2F2CSA 22 S50A50X
2W2C	Threaded rear spacer	.130"/3.18	47 nF	2F2CSA 22 S51A50X
2W2C	Threaded rear spacer	.150"/3.75	47 nF	2F2CSA 22 S52A50X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer	.080"/1.95	47 nF	2F2CPA 22 S48A50X
2W2C	Threaded rear spacer	.102"/2.60	47 nF	2F2CPA 22 S49A50X
2W2C	Threaded rear spacer	.110"/2.85	47 nF	2F2CPA 22 S50A50X
2W2C	Threaded rear spacer	.130"/3.18	47 nF	2F2CPA 22 S51A50X
2W2C	Threaded rear spacer	.150"/3.75	47 nF	2F2CPA 22 S52A50X

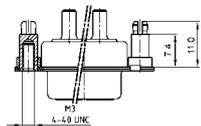
.291" / 7.4 mm for .063" / 1.6 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.080"/1.95	47 nF	2F2CSA 22 S48E20X
2W2C	Threaded rear spacer PCB clip	.102"/2.60	47 nF	2F2CSA 22 S49E20X
2W2C	Threaded rear spacer PCB clip	.110"/2.85	47 nF	2F2CSA 22 S50E20X
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CSA 22 S51E20X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CSA 22 S52E20X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.080"/1.95	47 nF	2F2CPA 22 S48E20X
2W2C	Threaded rear spacer PCB clip	.102"/2.60	47 nF	2F2CPA 22 S49E20X
2W2C	Threaded rear spacer PCB clip	.110"/2.85	47 nF	2F2CPA 22 S50E20X
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CPA 22 S51E20X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CPA 22 S52E20X

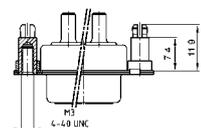
.291" / 7.4 mm for .091" / 2.3 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CSA 22 S51E40X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CSA 22 S52E40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CPA 22 S51E40X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CPA 22 S52E40X

.291" / 7.4 mm for .126" / 3.2 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CSA 22 S51E60X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CSA 22 S52E60X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	2F2CPA 22 S51E60X
2W2C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	2F2CPA 22 S52E60X

For other capacitance values refer to the part number creator.

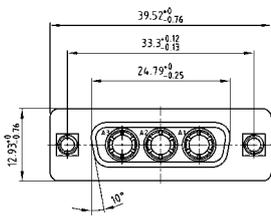
# C-FILTER COMBINATION D-SUB 3W3

Solder pin – Straight – Precision machined contacts

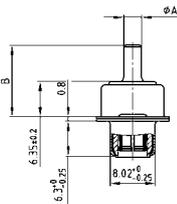


RoHS compliant – UL listed, File No.: E228329

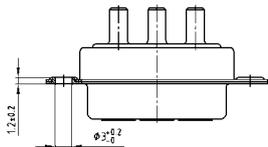
## SOCKET CONNECTOR



Termination Code	Current Rating	Ø A	B ± 0.3	PCB Thickness
48	20A	1.95	9.65	1.6
49	20A	2.60	10.65	1.6
50	20A	2.85	10.05	1.6
51	30A	3.18	12.85	1.6/ 2.3/ 3.2
52	40A	3.75	11.10	1.6/ 2.3/ 3.2



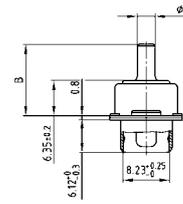
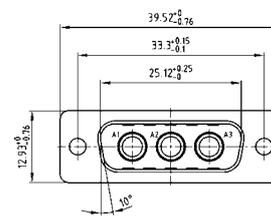
Mounting style: Through-hole



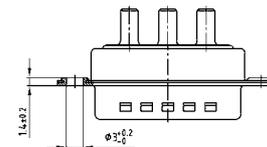
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole Ø .118"/3.0 mm
  - with 4-40 UNC threaded insert
  - with 4-40 UNC threaded rear spacer
  - with 4-40 UNC threaded rear spacer with PCB clip, .291"/7.4 mm
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## PLUG CONNECTOR



Mounting style: Through-hole



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3	Through-hole	.080"/1.95	47 nF	3F3SSA 22 S48A10X
3W3	Through-hole	.102"/2.60	47 nF	3F3SSA 22 S49A10X
3W3	Through-hole	.110"/2.85	47 nF	3F3SSA 22 S50A10X
3W3	Through-hole	.130"/3.18	47 nF	3F3SSA 22 S51A10X
3W3	Through-hole	.150"/3.75	47 nF	3F3SSA 22 S52A10X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3	Through-hole	.080"/1.95	47 nF	3F3SPA 22 S48A10X
3W3	Through-hole	.102"/2.60	47 nF	3F3SPA 22 S49A10X
3W3	Through-hole	.110"/2.85	47 nF	3F3SPA 22 S50A10X
3W3	Through-hole	.130"/3.18	47 nF	3F3SPA 22 S51A10X
3W3	Through-hole	.150"/3.75	47 nF	3F3SPA 22 S52A10X

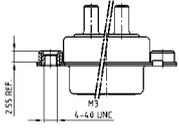
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3 – MOUNTING STYLES

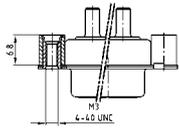
## Solder pin – Straight – Precision machined contacts

### ORDER DATA



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded insert	.080"/1.95	47 nF	3F3SSA 22 S48A30X
3W3	Threaded insert	.102"/2.60	47 nF	3F3SSA 22 S49A30X
3W3	Threaded insert	.110"/2.85	47 nF	3F3SSA 22 S50A30X
3W3	Threaded insert	.130"/3.18	47 nF	3F3SSA 22 S51A30X
3W3	Threaded insert	.150"/3.75	47 nF	3F3SSA 22 S52A30X

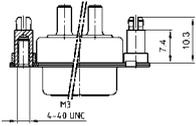
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded insert	.080"/1.95	47 nF	3F3SPA 22 S48A30X
3W3	Threaded insert	.102"/2.60	47 nF	3F3SPA 22 S49A30X
3W3	Threaded insert	.110"/2.85	47 nF	3F3SPA 22 S50A30X
3W3	Threaded insert	.130"/3.18	47 nF	3F3SPA 22 S51A30X
3W3	Threaded insert	.150"/3.75	47 nF	3F3SPA 22 S52A30X



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer	.080"/1.95	47 nF	3F3SSA 22 S48A50X
3W3	Threaded rear spacer	.102"/2.60	47 nF	3F3SSA 22 S49A50X
3W3	Threaded rear spacer	.110"/2.85	47 nF	3F3SSA 22 S50A50X
3W3	Threaded rear spacer	.130"/3.18	47 nF	3F3SSA 22 S51A50X
3W3	Threaded rear spacer	.150"/3.75	47 nF	3F3SSA 22 S52A50X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer	.080"/1.95	47 nF	3F3SPA 22 S48A50X
3W3	Threaded rear spacer	.102"/2.60	47 nF	3F3SPA 22 S49A50X
3W3	Threaded rear spacer	.110"/2.85	47 nF	3F3SPA 22 S50A50X
3W3	Threaded rear spacer	.130"/3.18	47 nF	3F3SPA 22 S51A50X
3W3	Threaded rear spacer	.150"/3.75	47 nF	3F3SPA 22 S52A50X

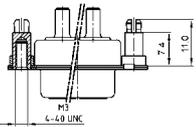
.291" / 7.4 mm for .063" / 1.6 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.080"/1.95	47 nF	3F3SSA 22 S48E20X
3W3	Threaded rear spacer PCB clip	.102"/2.60	47 nF	3F3SSA 22 S49E20X
3W3	Threaded rear spacer PCB clip	.110"/2.85	47 nF	3F3SSA 22 S50E20X
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SSA 22 S51E20X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SSA 22 S52E20X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.080"/1.95	47 nF	3F3SPA 22 S48E20X
3W3	Threaded rear spacer PCB clip	.102"/2.60	47 nF	3F3SPA 22 S49E20X
3W3	Threaded rear spacer PCB clip	.110"/2.85	47 nF	3F3SPA 22 S50E20X
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SPA 22 S51E20X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SPA 22 S52E20X

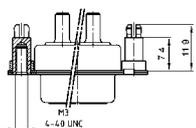
.291" / 7.4 mm for .091" / 2.3 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SSA 22 S51E40X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SSA 22 S52E40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SPA 22 S51E40X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SPA 22 S52E40X

.291" / 7.4 mm for .126" / 3.2 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SSA 22 S51E60X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SSA 22 S52E60X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3SPA 22 S51E60X
3W3	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3SPA 22 S52E60X

For other capacitance values refer to the part number creator.

# C-FILTER COMBINATION D-SUB 3W3C

Solder pin – Straight – Precision machined contacts

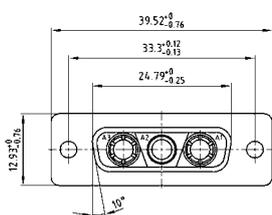


RoHS compliant – UL listed, File No.: E228329

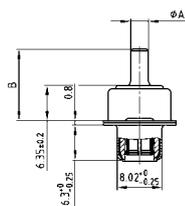
## DESCRIPTION

- Coded socket connectors = 1 plug and 2 socket contacts
- Coded plug connectors = 2 plugs and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles: - with through-hole  $\varnothing$  .118"/3.0 mm  
- with 4-40 UNC threaded insert (M3 on request)  
- with 4-40 UNC threaded rear spacer (M3 on request)  
- with 4-40 UNC threaded rear spacer, PCB clip, .291"/7.4 mm (M3 on request)
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

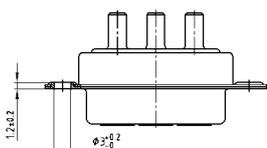
## SOCKET CONNECTOR



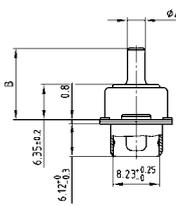
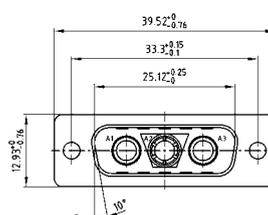
Termination Code	Current Rating	Ø A	B ± 0.3	PCB Thickness
48	20A	1.95	9.65	1.6
49	20A	2.60	10.65	1.6
50	20A	2.85	10.05	1.6
51	30A	3.18	12.85	1.6/ 2.3/ 3.2
52	40A	3.75	11.10	1.6/ 2.3/ 3.2



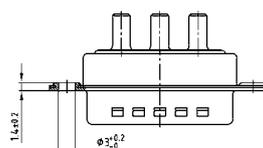
Mounting style: Through-hole



## PLUG CONNECTOR



Mounting style: Through-hole



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3C	Through-hole	.080"/1.95	47 nF	3F3CSA 22 S48A10X
3W3C	Through-hole	.102"/2.60	47 nF	3F3CSA 22 S49A10X
3W3C	Through-hole	.110"/2.85	47 nF	3F3CSA 22 S50A10X
3W3C	Through-hole	.130"/3.18	47 nF	3F3CSA 22 S51A10X
3W3C	Through-hole	.150"/3.75	47 nF	3F3CSA 22 S52A10X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3C	Through-hole	.080"/1.95	47 nF	3F3CPA 22 S48A10X
3W3C	Through-hole	.102"/2.60	47 nF	3F3CPA 22 S49A10X
3W3C	Through-hole	.110"/2.85	47 nF	3F3CPA 22 S50A10X
3W3C	Through-hole	.130"/3.18	47 nF	3F3CPA 22 S51A10X
3W3C	Through-hole	.150"/3.75	47 nF	3F3CPA 22 S52A10X

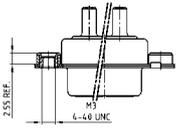
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3C – MOUNTING STYLES

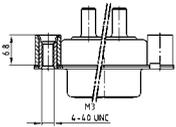
## Solder pin – Straight – Precision machined contacts

### ORDER DATA



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded insert	.080"/1.95	47 nF	3F3CSA 22 S48A30X
3W3C	Threaded insert	.102"/2.60	47 nF	3F3CSA 22 S49A30X
3W3C	Threaded insert	.110"/2.85	47 nF	3F3CSA 22 S50A30X
3W3C	Threaded insert	.130"/3.18	47 nF	3F3CSA 22 S51A30X
3W3C	Threaded insert	.150"/3.75	47 nF	3F3CSA 22 S52A30X

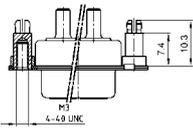
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded insert	.080"/1.95	47 nF	3F3CPA 22 S48A30X
3W3C	Threaded insert	.102"/2.60	47 nF	3F3CPA 22 S49A30X
3W3C	Threaded insert	.110"/2.85	47 nF	3F3CPA 22 S50A30X
3W3C	Threaded insert	.130"/3.18	47 nF	3F3CPA 22 S51A30X
3W3C	Threaded insert	.150"/3.75	47 nF	3F3CPA 22 S52A30X



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer	.080"/1.95	47 nF	3F3CSA 22 S48A50X
3W3C	Threaded rear spacer	.102"/2.60	47 nF	3F3CSA 22 S49A50X
3W3C	Threaded rear spacer	.110"/2.85	47 nF	3F3CSA 22 S50A50X
3W3C	Threaded rear spacer	.130"/3.18	47 nF	3F3CSA 22 S51A50X
3W3C	Threaded rear spacer	.150"/3.75	47 nF	3F3CSA 22 S52A50X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer	.080"/1.95	47 nF	3F3CPA 22 S48A50X
3W3C	Threaded rear spacer	.102"/2.60	47 nF	3F3CPA 22 S49A50X
3W3C	Threaded rear spacer	.110"/2.85	47 nF	3F3CPA 22 S50A50X
3W3C	Threaded rear spacer	.130"/3.18	47 nF	3F3CPA 22 S51A50X
3W3C	Threaded rear spacer	.150"/3.75	47 nF	3F3CPA 22 S52A50X

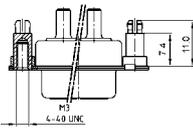
.291" / 7.4 mm for .063" / 1.6 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.080"/1.95	47 nF	3F3CSA 22 S48E20X
3W3C	Threaded rear spacer PCB clip	.102"/2.60	47 nF	3F3CSA 22 S49E20X
3W3C	Threaded rear spacer PCB clip	.110"/2.85	47 nF	3F3CSA 22 S50E20X
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CSA 22 S51E20X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CSA 22 S52E20X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.080"/1.95	47 nF	3F3CPA 22 S48E20X
3W3C	Threaded rear spacer PCB clip	.102"/2.60	47 nF	3F3CPA 22 S49E20X
3W3C	Threaded rear spacer PCB clip	.110"/2.85	47 nF	3F3CPA 22 S50E20X
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CPA 22 S51E20X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CPA 22 S52E20X

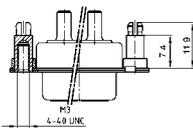
.291" / 7.4 mm for .091" / 2.3 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CSA 22 S51E40X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CSA 22 S52E40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CPA 22 S51E40X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CPA 22 S52E40X

.291" / 7.4 mm for .126" / 3.2 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CSA 22 S51E60X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CSA 22 S52E60X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer PCB clip	.130"/3.18	47 nF	3F3CPA 22 S51E60X
3W3C	Threaded rear spacer PCB clip	.150"/3.75	47 nF	3F3CPA 22 S52E60X

For other capacitance values refer to the part number creator.

# C-FILTER COMBINATION D-SUB 5W5

Solder pin – Straight – Precision machined contacts

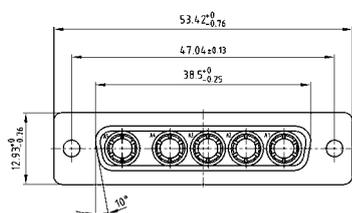


RoHS compliant – UL listed, File No.: E228329

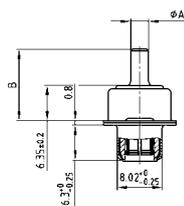
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole  $\varnothing$  .118"/3.0 mm
  - with 4-40 UNC threaded insert
  - with 4-40 UNC threaded rear spacer
  - with 4-40 UNC threaded rear spacer, PCB clip, .291"/7.4 mm
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

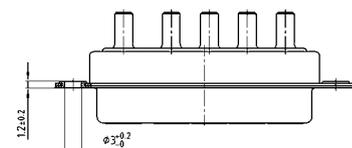
## SOCKET CONNECTOR



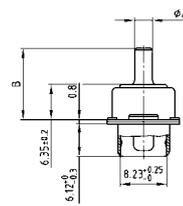
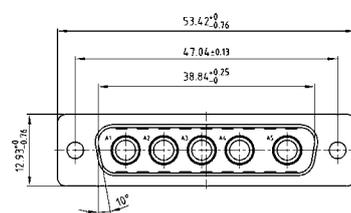
Termination Code	Current Rating	Ø A	B +0,3	PCB Thickness
48	20A	1.95	9.65	1.6
49	20A	2.60	10.65	1.6
50	20A	2.85	10.05	1.6
51	30A	3.18	12.85	1.6/ 2.3/ 3.2
52	40A	3.75	11.10	1.6/ 2.3/ 3.2



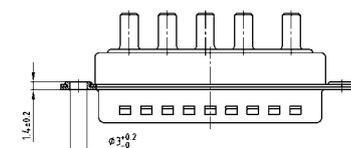
Mounting style: Through-hole



## PLUG CONNECTOR



Mounting style: Through-hole



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
5W5	Through-hole	.080"/1.95	47 nF	5F5SSA 22 S48A10X
5W5	Through-hole	.102"/2.60	47 nF	5F5SSA 22 S49A10X
5W5	Through-hole	.110"/2.85	47 nF	5F5SSA 22 S50A10X
5W5	Through-hole	.130"/3.18	47 nF	5F5SSA 22 S51A10X
5W5	Through-hole	.150"/3.75	47 nF	5F5SSA 22 S52A10X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
5W5	Through-hole	.080"/1.95	47 nF	5F5SPA 22 S48A10X
5W5	Through-hole	.102"/2.60	47 nF	5F5SPA 22 S49A10X
5W5	Through-hole	.110"/2.85	47 nF	5F5SPA 22 S50A10X
5W5	Through-hole	.130"/3.18	47 nF	5F5SPA 22 S51A10X
5W5	Through-hole	.150"/3.75	47 nF	5F5SPA 22 S52A10X

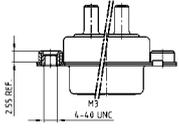
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 5W5 – MOUNTING STYLES

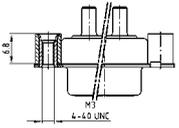
## Solder pin – Straight – Precision machined contacts

### ORDER DATA



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded insert	.080"/1.95	47 nF	5F5SSA 22 S48A30X
5W5	Threaded insert	.102"/2.60	47 nF	5F5SSA 22 S49A30X
5W5	Threaded insert	.110"/2.85	47 nF	5F5SSA 22 S50A30X
5W5	Threaded insert	.130"/3.18	47 nF	5F5SSA 22 S51A30X
5W5	Threaded insert	.150"/3.75	47 nF	5F5SSA 22 S52A30X

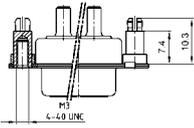
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded insert	.080"/1.95	47 nF	5F5SPA 22 S48A30X
5W5	Threaded insert	.102"/2.60	47 nF	5F5SPA 22 S49A30X
5W5	Threaded insert	.110"/2.85	47 nF	5F5SPA 22 S50A30X
5W5	Threaded insert	.130"/3.18	47 nF	5F5SPA 22 S51A30X
5W5	Threaded insert	.150"/3.75	47 nF	5F5SPA 22 S52A30X



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer	.080"/1.95	47 nF	5F5SSA 22 S48A50X
5W5	Threaded rear spacer	.102"/2.60	47 nF	5F5SSA 22 S49A50X
5W5	Threaded rear spacer	.110"/2.85	47 nF	5F5SSA 22 S50A50X
5W5	Threaded rear spacer	.130"/3.18	47 nF	5F5SSA 22 S51A50X
5W5	Threaded rear spacer	.150"/3.75	47 nF	5F5SSA 22 S52A50X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer	.080"/1.95	47 nF	5F5SPA 22 S48A50X
5W5	Threaded rear spacer	.102"/2.60	47 nF	5F5SPA 22 S49A50X
5W5	Threaded rear spacer	.110"/2.85	47 nF	5F5SPA 22 S50A50X
5W5	Threaded rear spacer	.130"/3.18	47 nF	5F5SPA 22 S51A50X
5W5	Threaded rear spacer	.150"/3.75	47 nF	5F5SPA 22 S52A50X

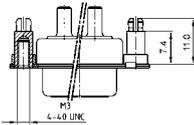
.291" / 7.4 mm for .063" / 1.6 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.080"/1.95	47 nF	5F5SSA 22 S48E20X
5W5	Threaded rear spacer PCB clip	.102"/2.60	47 nF	5F5SSA 22 S49E20X
5W5	Threaded rear spacer PCB clip	.110"/2.85	47 nF	5F5SSA 22 S50E20X
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SSA 22 S51E20X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SSA 22 S52E20X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.080"/1.95	47 nF	5F5SPA 22 S48E20X
5W5	Threaded rear spacer PCB clip	.102"/2.60	47 nF	5F5SPA 22 S49E20X
5W5	Threaded rear spacer PCB clip	.110"/2.85	47 nF	5F5SPA 22 S50E20X
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SPA 22 S51E20X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SPA 22 S52E20X

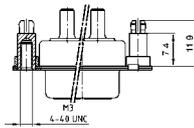
.291" / 7.4 mm for .091" / 2.3 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SSA 22 S51E40X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SSA 22 S52E40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SPA 22 S51E40X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SPA 22 S52E40X

.291" / 7.4 mm for .126" / 3.2 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



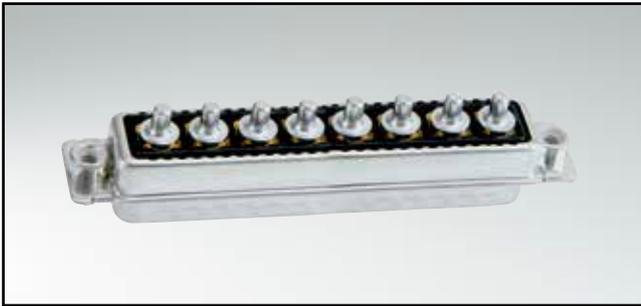
SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SSA 22 S51E60X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SSA 22 S52E60X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer PCB clip	.130"/3.18	47 nF	5F5SPA 22 S51E60X
5W5	Threaded rear spacer PCB clip	.150"/3.75	47 nF	5F5SPA 22 S52E60X

For other capacitance values refer to the part number creator.

# C-FILTER COMBINATION D-SUB 8W8

Solder pin – Straight – Precision machined contacts

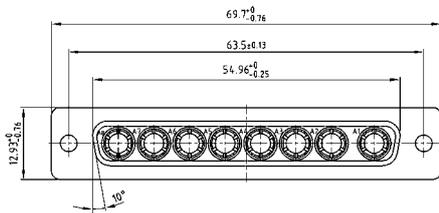


RoHS compliant – UL listed, File No.: E228329

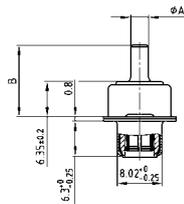
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with through-hole  $\varnothing$  .118"/3.0 mm
  - with 4-40 UNC threaded insert
  - with 4-40 UNC threaded rear spacer
  - with 4-40 UNC threaded rear spacer, PCB clip, .291"/7.4 mm
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

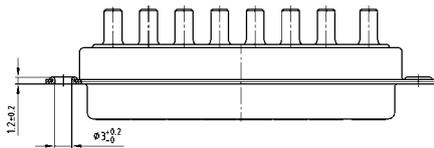
## SOCKET CONNECTOR



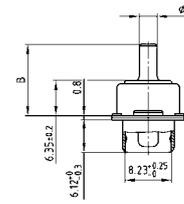
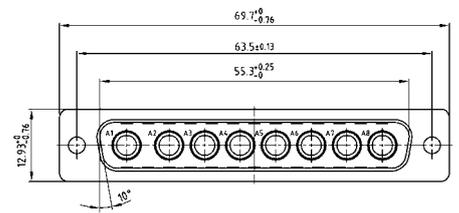
Termination Code	Current Rating	Ø A	B ± 0.3	PCB Thickness
48	20A	1.95	9.65	1.6
49	20A	2.60	10.65	1.6
50	20A	2.85	10.05	1.6
51	30A	3.18	12.85	1.6/ 2.3/ 3.2
52	40A	3.75	11.10	1.6/ 2.3/ 3.2



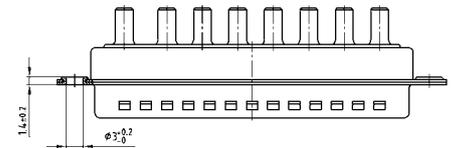
Mounting style: Through-hole



## PLUG CONNECTOR



Mounting style: Through-hole



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
8W8	Through-hole	.080"/1.95	47 nF	8F8SSA 22 S48A10X
8W8	Through-hole	.102"/2.60	47 nF	8F8SSA 22 S49A10X
8W8	Through-hole	.110"/2.85	47 nF	8F8SSA 22 S50A10X
8W8	Through-hole	.130"/3.18	47 nF	8F8SSA 22 S51A10X
8W8	Through-hole	.150"/3.75	47 nF	8F8SSA 22 S52A10X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
8W8	Through-hole	.080"/1.95	47 nF	8F8SPA 22 S48A10X
8W8	Through-hole	.102"/2.60	47 nF	8F8SPA 22 S49A10X
8W8	Through-hole	.110"/2.85	47 nF	8F8SPA 22 S50A10X
8W8	Through-hole	.130"/3.18	47 nF	8F8SPA 22 S51A10X
8W8	Through-hole	.150"/3.75	47 nF	8F8SPA 22 S52A10X

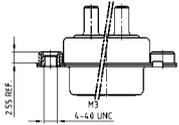
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 8W8 – MOUNTING STYLES

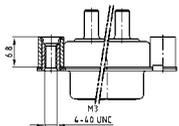
## Solder pin – Straight – Precision machined contacts

### ORDER DATA



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded insert	.080"/1.95	47 nF	8F8SSA 22 S48A30X
8W8	Threaded insert	.102"/2.60	47 nF	8F8SSA 22 S49A30X
8W8	Threaded insert	.110"/2.85	47 nF	8F8SSA 22 S50A30X
8W8	Threaded insert	.130"/3.18	47 nF	8F8SSA 22 S51A30X
8W8	Threaded insert	.150"/3.75	47 nF	8F8SSA 22 S52A30X

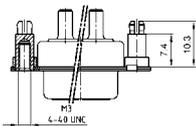
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded insert	.080"/1.95	47 nF	8F8SPA 22 S48A30X
8W8	Threaded insert	.102"/2.60	47 nF	8F8SPA 22 S49A30X
8W8	Threaded insert	.110"/2.85	47 nF	8F8SPA 22 S50A30X
8W8	Threaded insert	.130"/3.18	47 nF	8F8SPA 22 S51A30X
8W8	Threaded insert	.150"/3.75	47 nF	8F8SPA 22 S52A30X



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer	.080"/1.95	47 nF	8F8SSA 22 S48A50X
8W8	Threaded rear spacer	.102"/2.60	47 nF	8F8SSA 22 S49A50X
8W8	Threaded rear spacer	.110"/2.85	47 nF	8F8SSA 22 S50A50X
8W8	Threaded rear spacer	.130"/3.18	47 nF	8F8SSA 22 S51A50X
8W8	Threaded rear spacer	.150"/3.75	47 nF	8F8SSA 22 S52A50X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer	.080"/1.95	47 nF	8F8SPA 22 S48A50X
8W8	Threaded rear spacer	.102"/2.60	47 nF	8F8SPA 22 S49A50X
8W8	Threaded rear spacer	.110"/2.85	47 nF	8F8SPA 22 S50A50X
8W8	Threaded rear spacer	.130"/3.18	47 nF	8F8SPA 22 S51A50X
8W8	Threaded rear spacer	.150"/3.75	47 nF	8F8SPA 22 S52A50X

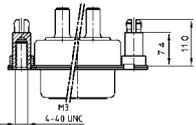
.291" / 7.4 mm for .063" / 1.6 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.080"/1.95	47 nF	8F8SSA 22 S48E20X
8W8	Threaded rear spacer PCB clip	.102"/2.60	47 nF	8F8SSA 22 S49E20X
8W8	Threaded rear spacer PCB clip	.110"/2.85	47 nF	8F8SSA 22 S50E20X
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SSA 22 S51E20X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SSA 22 S52E20X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.080"/1.95	47 nF	8F8SPA 22 S48E20X
8W8	Threaded rear spacer PCB clip	.102"/2.60	47 nF	8F8SPA 22 S49E20X
8W8	Threaded rear spacer PCB clip	.110"/2.85	47 nF	8F8SPA 22 S50E20X
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SPA 22 S51E20X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SPA 22 S52E20X

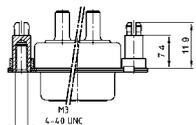
.291" / 7.4 mm for .091" / 2.3 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SSA 22 S51E40X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SSA 22 S52E40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SPA 22 S51E40X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SPA 22 S52E40X

.291" / 7.4 mm for .126" / 3.2 mm circuit board thickness. (Length of spacer .256" / 6.5 mm on request)



SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SSA 22 S51E60X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SSA 22 S52E60X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer PCB clip	.130"/3.18	47 nF	8F8SPA 22 S51E60X
8W8	Threaded rear spacer PCB clip	.150"/3.75	47 nF	8F8SPA 22 S52E60X

For other capacitance values refer to the part number creator.

# C-FILTER COMBINATION D-SUB 2W2C

Solder pin – Angled – Precision machined contacts – Metal bracket

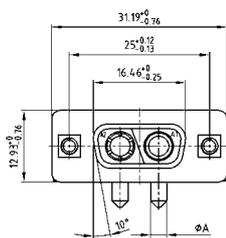


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

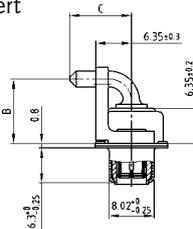
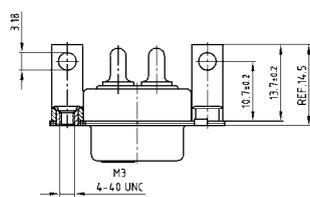
- coded design = 1 plug and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

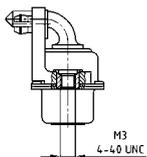


Termination Code	Current Rating	Ø A	B ± 0.3	C ± 0.3
56	20A	2.85	11.65	11.00
57	30A	3.18	20.35	9.50
58	40A	3.75	11.65	11.00

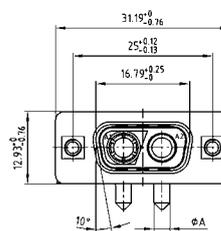
Mounting style: Mounting bracket, threaded insert



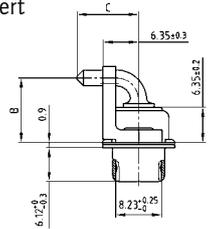
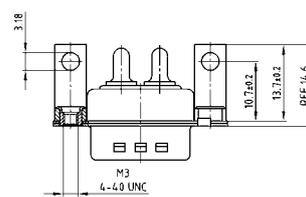
Mounting style: Mounting bracket, PCB clip and threaded insert



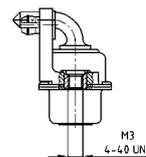
## PLUG CONNECTOR



Mounting style: Mounting bracket, threaded insert



Mounting style: Mounting bracket, PCB clip and threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Mounting bracket/Threaded insert	.110"/2.85	47 nF	2F2CSA 22 S56K20X
2W2C	Mounting bracket/Threaded insert	.126"/3.20	47 nF	2F2CSA 22 S57K20X
2W2C	Mounting bracket/Threaded insert	.150"/3.75	47 nF	2F2CSA 22 S58K20X
2W2C	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	2F2CPA 22 S56K40X
2W2C	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	2F2CPA 22 S57K40X
2W2C	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	2F2CPA 22 S58K40X

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Mounting bracket/Threaded insert	.110"/2.85	47 nF	2F2CPA 22 S56K20X
2W2C	Mounting bracket/Threaded insert	.126"/3.20	47 nF	2F2CPA 22 S57K20X
2W2C	Mounting bracket/Threaded insert	.150"/3.75	47 nF	2F2CPA 22 S58K20X
2W2C	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	2F2CPA 22 S56K40X
2W2C	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	2F2CPA 22 S57K40X
2W2C	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	2F2CPA 22 S58K40X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3

Solder pin – Angled – Precision machined contacts – Metal bracket

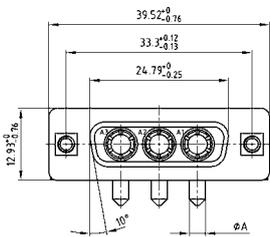


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

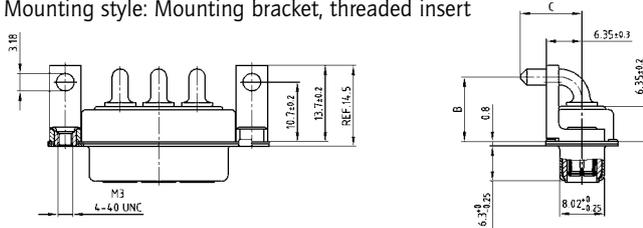
- 707 VDC (other DWV on request)
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

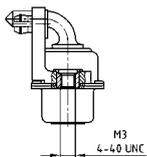


Termination Code	Current Rating	Ø A	B ± 0.3	C ± 0.3
56	20A	2.85	11.65	11.00
57	30A	3.18	20.35	9.50
58	40A	3.75	11.65	11.00

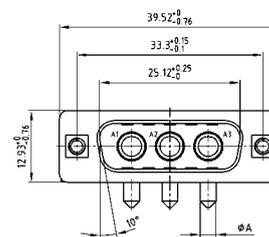
Mounting style: Mounting bracket, threaded insert



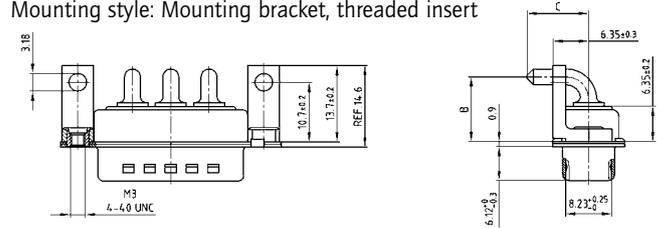
Mounting style: Mounting bracket, PCB clip and threaded insert



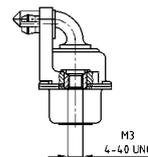
## PLUG CONNECTOR



Mounting style: Mounting bracket, threaded insert



Mounting style: Mounting bracket, PCB clip and threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Mounting bracket/Threaded insert	.110"/2.85	47 nF	3F3SSA 22 S56K20X
3W3	Mounting bracket/Threaded insert	.126"/3.20	47 nF	3F3SSA 22 S57K20X
3W3	Mounting bracket/Threaded insert	.150"/3.75	47 nF	3F3SSA 22 S58K20X
3W3	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	3F3SSA 22 S56K40X
3W3	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	3F3SSA 22 S57K40X
3W3	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	3F3SSA 22 S58K40X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3	Mounting bracket/Threaded insert	.110"/2.85	47 nF	3F3SPA 22 S56K20X
3W3	Mounting bracket/Threaded insert	.126"/3.20	47 nF	3F3SPA 22 S57K20X
3W3	Mounting bracket/Threaded insert	.150"/3.75	47 nF	3F3SPA 22 S58K20X
3W3	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	3F3SPA 22 S56K40X
3W3	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	3F3SPA 22 S57K40X
3W3	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	3F3SPA 22 S58K40X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3C

Solder pin – Angled – Precision machined contacts – Metal bracket

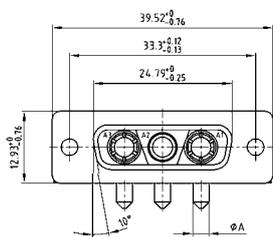


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

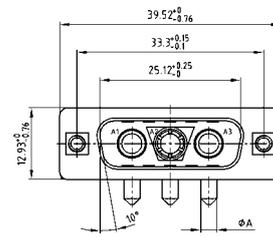
- Coded socket connector = 1 plug and 2 socket contacts
- Coded plug connector = 2 plugs and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

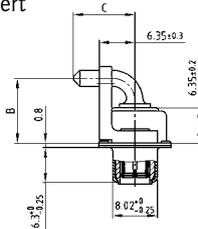
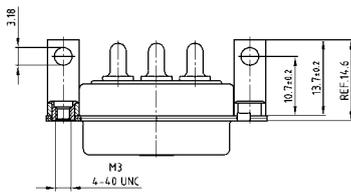


Termination Code	Current Rating	Ø A	B ± 0.3	C ± 0.3
56	20A	2.85	11.65	11.00
57	30A	3.18	20.35	9.50
58	40A	3.75	11.65	11.00

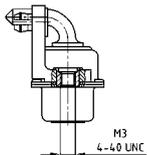
## PLUG CONNECTOR



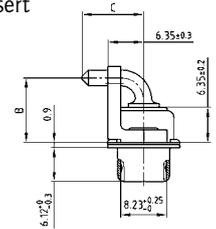
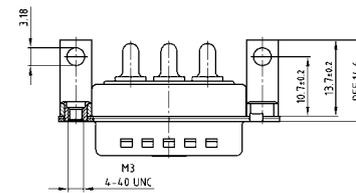
Mounting style: Mounting bracket, threaded insert



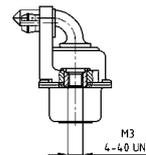
Mounting style:  
Mounting bracket, PCB clip and threaded insert



Mounting style: Mounting bracket, threaded insert



Mounting style:  
Mounting bracket, PCB clip and threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3C	Mounting bracket/Threaded insert	.110"/2.85	47 nF	3F3CSA 22 S56K20X
3W3C	Mounting bracket/Threaded insert	.126"/3.20	47 nF	3F3CSA 22 S57K20X
3W3C	Mounting bracket/Threaded insert	.150"/3.75	47 nF	3F3CSA 22 S58K20X
3W3C	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	3F3CPA 22 S56K40X
3W3C	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	3F3CPA 22 S57K40X
3W3C	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	3F3CPA 22 S58K40X

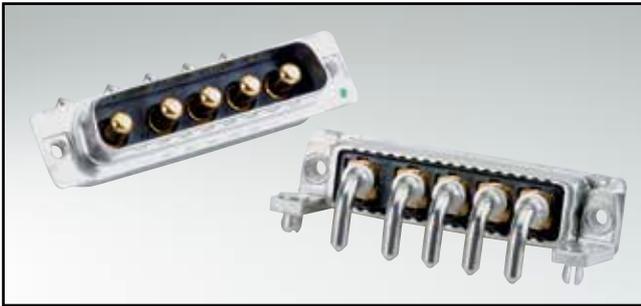
PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
3W3C	Mounting bracket/Threaded insert	.110"/2.85	47 nF	3F3CPA 22 S56K20X
3W3C	Mounting bracket/Threaded insert	.126"/3.20	47 nF	3F3CPA 22 S57K20X
3W3C	Mounting bracket/Threaded insert	.150"/3.75	47 nF	3F3CPA 22 S58K20X
3W3C	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	3F3CPA 22 S56K40X
3W3C	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	3F3CPA 22 S57K40X
3W3C	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	3F3CPA 22 S58K40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 5W5

Solder pin – Angled – Precision machined contacts – Metal bracket

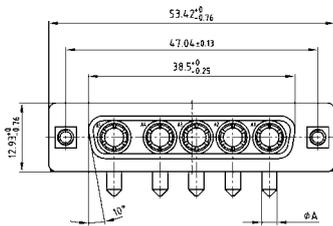


RoHS compliant – UL listed, File No.: E228329

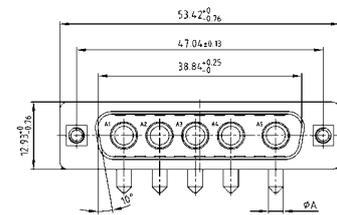
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

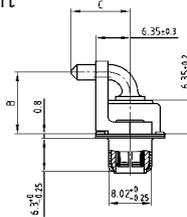
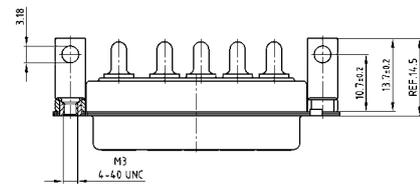


Termination Code	Current Rating	Ø A	B ± 0.3	C ± 0.3
56	20A	2.85	11.65	11.00
57	30A	3.18	20.35	9.50
58	40A	3.75	11.65	11.00

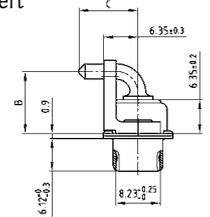
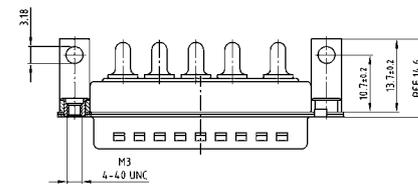


## PLUG CONNECTOR

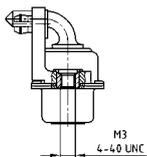
Mounting style: Mounting bracket, threaded insert



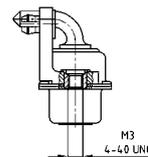
Mounting style: Mounting bracket, threaded insert



Mounting style:  
Mounting bracket, PCB clip and threaded insert



Mounting style:  
Mounting bracket, PCB clip and threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
5W5	Mounting bracket/Threaded insert	.110"/2.85	47 nF	5F5SSA 22 S56K20X
5W5	Mounting bracket/Threaded insert	.126"/3.20	47 nF	5F5SSA 22 S57K20X
5W5	Mounting bracket/Threaded insert	.150"/3.75	47 nF	5F5SSA 22 S58K20X
5W5	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	5F5SSA 22 S56K40X
5W5	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	5F5SSA 22 S57K40X
5W5	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	5F5SSA 22 S58K40X

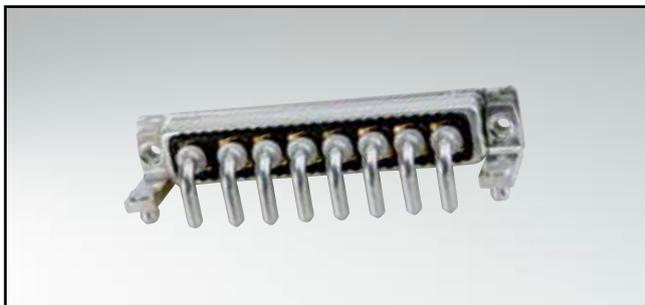
PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
5W5	Mounting bracket/Threaded insert	.110"/2.85	47 nF	5F5SPA 22 S56K20X
5W5	Mounting bracket/Threaded insert	.126"/3.20	47 nF	5F5SPA 22 S57K20X
5W5	Mounting bracket/Threaded insert	.150"/3.75	47 nF	5F5SPA 22 S58K20X
5W5	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	5F5SPA 22 S56K40X
5W5	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	5F5SPA 22 S57K40X
5W5	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	5F5SPA 22 S58K40X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 8W8

Solder pin – Angled – Precision machined contacts – Metal bracket

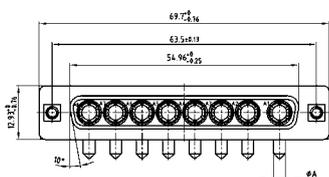


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

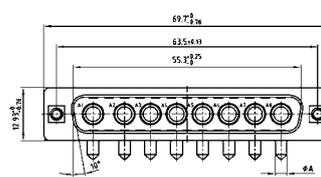
- 707 VDC (other DWV on request)
- Mounting styles:
  - with mounting bracket and 4-40 UNC threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

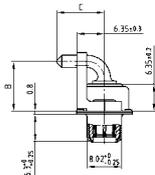
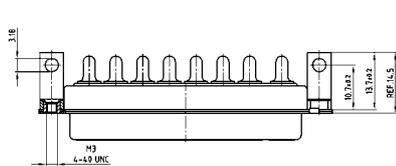


Termination Code	Current Rating	Ø A	B ± 0.3	C ± 0.3
56	20A	2.85	11.65	11.00
57	30A	3.18	20.35	9.50
58	40A	3.75	11.65	11.00

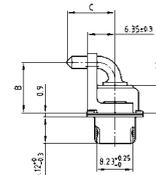
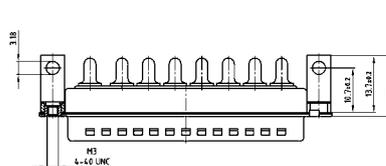
## PLUG CONNECTOR



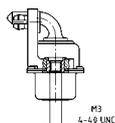
Mounting style: Mounting bracket, threaded insert



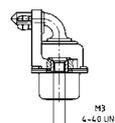
Mounting style: Mounting bracket, threaded insert



Mounting style:  
Mounting bracket, PCB clip and threaded insert



Mounting style:  
Mounting bracket, PCB clip and threaded insert



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
8W8	Mounting bracket/Threaded insert	.110"/2.85	47 nF	8F8SSA 22 S56K20X
8W8	Mounting bracket/Threaded insert	.126"/3.20	47 nF	8F8SSA 22 S57K20X
8W8	Mounting bracket/Threaded insert	.150"/3.75	47 nF	8F8SSA 22 S58K20X
8W8	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	8F8SSA 22 S56K40X
8W8	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	8F8SSA 22 S57K40X
8W8	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	8F8SSA 22 S58K40X

PLUG CONNECTOR				
Type	Mounting style	Ø A	Capacitance	Part Number
8W8	Mounting bracket/Threaded insert	.110"/2.85	47 nF	8F8SPA 22 S56K20X
8W8	Mounting bracket/Threaded insert	.126"/3.20	47 nF	8F8SPA 22 S57K20X
8W8	Mounting bracket/Threaded insert	.150"/3.75	47 nF	8F8SPA 22 S58K20X
8W8	Mounting bracket/PCB clip/Threaded insert	.110"/2.85	47 nF	8F8SPA 22 S56K40X
8W8	Mounting bracket/PCB clip/Threaded insert	.126"/3.20	47 nF	8F8SPA 22 S57K40X
8W8	Mounting bracket/PCB clip/Threaded insert	.150"/3.75	47 nF	8F8SPA 22 S58K40X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 2W2C

Press-fit contact – Straight – Precision machined contacts

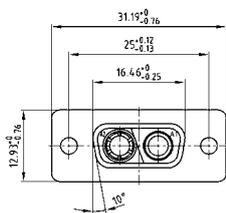


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

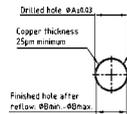
- Coded design = 1 plug and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with threaded rear spacer and 4-40 UNC threaded insert
  - with rear press-fit spacer and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

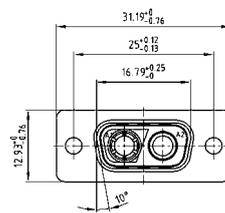


Termination Code	Current Rating	A ± 0.03	B min.	B max.
P1	30A	3.13	2.96	3.11
P2	30A	3.27	3.10	3.25
P4	30A	3.22	3.02	3.20

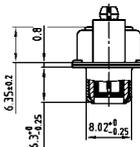
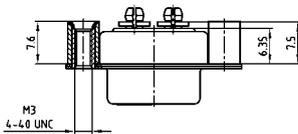
PCB hole drilling for high power press fit contact.



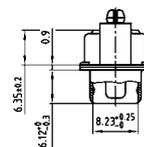
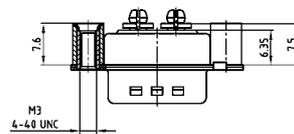
## PLUG CONNECTOR



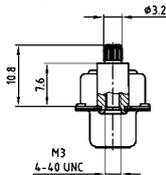
Mounting style: 4-40 UNC threaded rear spacer



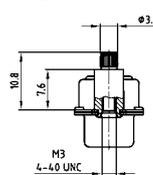
Mounting style: 4-40 UNC threaded rear spacer



Mounting style: 4-40 UNC rear press-fit spacer



Mounting style: 4-40 UNC rear press-fit spacer



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer	.120"/3.13	47 nF	2F2CSA 22 SP1AAOX
2W2C	Threaded rear spacer	.130"/3.27	47 nF	2F2CSA 22 SP2AAOX
2W2C	Threaded rear spacer	.120"/3.22	47 nF	2F2CSA 22 SP4AAOX
2W2C	Rear press-fit spacer	.120"/3.13	47 nF	2F2CSA 22 SP1W4OX
2W2C	Rear press-fit spacer	.120"/3.27	47 nF	2F2CSA 22 SP2W4OX
2W2C	Rear press-fit spacer	.120"/3.22	47 nF	2F2CSA 22 SP4W4OX

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
2W2C	Threaded rear spacer	.120"/3.13	47 nF	2F2CPA 22 SP1AAOX
2W2C	Threaded rear spacer	.130"/3.27	47 nF	2F2CPA 22 SP2AAOX
2W2C	Threaded rear spacer	.120"/3.22	47 nF	2F2CPA 22 SP4AAOX
2W2C	Rear press-fit spacer	.120"/3.13	47 nF	2F2CPA 22 SP1W4OX
2W2C	Rear press-fit spacer	.120"/3.27	47 nF	2F2CPA 22 SP2W4OX
2W2C	Rear press-fit spacer	.120"/3.22	47 nF	2F2CPA 22 SP4W4OX

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness. For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 3W3

Press-fit contact – Straight – Precision machined contacts

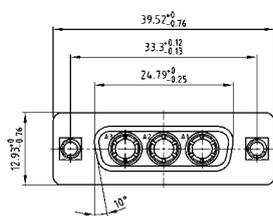


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

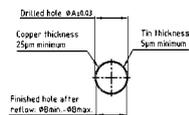
- 707 VDC (other DWV on request)
- Mounting styles:
  - with threaded rear spacer and 4-40 UNC threaded insert
  - with rear press-fit spacer and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

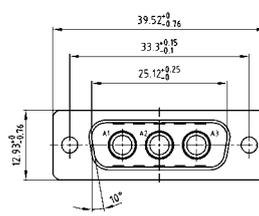


Termination Code	Current Rating	A ± 0.03	B min.	B max.
P1	30A	3.13	2.96	3.11
P2	30A	3.27	3.10	3.25
P4	30A	3.22	3.02	3.20

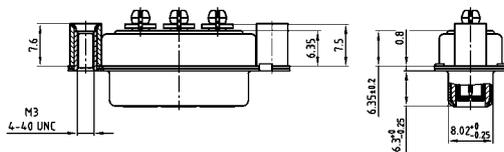
PCB hole drilling for high power press fit contact.



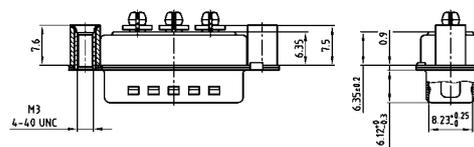
## PLUG CONNECTOR



Mounting style: 4-40 UNC threaded rear spacer



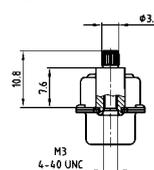
Mounting style: 4-40 UNC threaded rear spacer



Mounting style: Rear press-fit spacer



Mounting style: Rear press-fit spacer



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer	.120"/3.13	47 nF	3F3SSA 22 SP1AAOX
3W3	Threaded rear spacer	.130"/3.27	47 nF	3F3SSA 22 SP2AAOX
3W3	Threaded rear spacer	.120"/3.22	47 nF	3F3SSA 22 SP4AAOX
3W3	Rear press-fit spacer	.120"/3.13	47 nF	3F3SSA 22 SP1W4OX
3W3	Rear press-fit spacer	.120"/3.27	47 nF	3F3SSA 22 SP2W4OX
3W3	Rear press-fit spacer	.120"/3.22	47 nF	3F3SSA 22 SP4W4OX

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3	Threaded rear spacer	.120"/3.13	47 nF	3F3SPA 22 SP1AAOX
3W3	Threaded rear spacer	.130"/3.27	47 nF	3F3SPA 22 SP2AAOX
3W3	Threaded rear spacer	.120"/3.22	47 nF	3F3SPA 22 SP4AAOX
3W3	Rear press-fit spacer	.120"/3.13	47 nF	3F3SPA 22 SP1W4OX
3W3	Rear press-fit spacer	.120"/3.27	47 nF	3F3SPA 22 SP2W4OX
3W3	Rear press-fit spacer	.120"/3.22	47 nF	3F3SPA 22 SP4W4OX

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

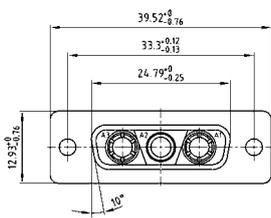
# C-FILTER COMBINATION D-SUB 3W3C

Press-fit contact – Straight – Precision machined contacts



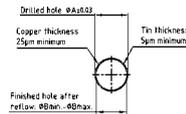
RoHS compliant – UL listed, File No.: E228329

## SOCKET CONNECTOR

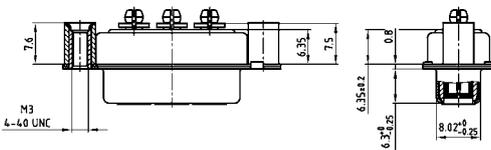


Termination Code	Current Rating	A ± 0.03	B min.	B max.
P1	30A	3.13	2.96	3.11
P2	30A	3.27	3.10	3.25
P4	30A	3.22	3.02	3.20

PCB hole drilling for high power press fit contact.



Mounting style: 4-40 UNC threaded rear spacer



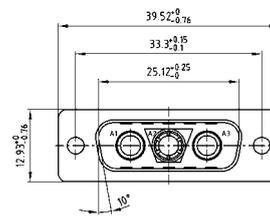
Mounting style: 4-40 UNC rear press-fit spacer



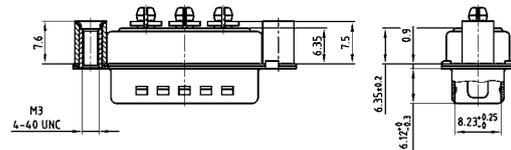
## DESCRIPTION

- Coded socket connector = 1 plug and 2 socket contacts
- Coded plug connector = 2 plugs and 1 socket contact
- 707 VDC (other DWV on request)
- Mounting styles:
  - with threaded rear spacer and 4-40 UNC threaded insert
  - with rear press-fit spacer and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

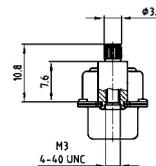
## PLUG CONNECTOR



Mounting style: 4-40 UNC threaded rear spacer



Mounting style: 4-40 UNC rear press-fit spacer



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer	.120"/3.13	47 nF	3F3CSA 22 SP1AAOX
3W3C	Threaded rear spacer	.130"/3.27	47 nF	3F3CSA 22 SP2AAOX
3W3C	Threaded rear spacer	.120"/3.22	47 nF	3F3CSA 22 SP4AAOX
3W3C	Rear press-fit spacer	.120"/3.13	47 nF	3F3CSA 22 SP1W4OX
3W3C	Rear press-fit spacer	.120"/3.27	47 nF	3F3CSA 22 SP2W4OX
3W3C	Rear press-fit spacer	.120"/3.22	47 nF	3F3CSA 22 SP4W4OX

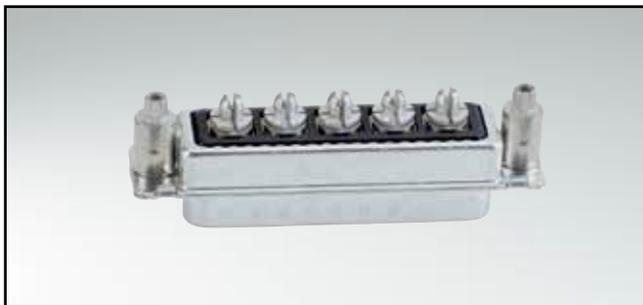
PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
3W3C	Threaded rear spacer	.120"/3.13	47 nF	3F3CPA 22 SP1AAOX
3W3C	Threaded rear spacer	.130"/3.27	47 nF	3F3CPA 22 SP2AAOX
3W3C	Threaded rear spacer	.120"/3.22	47 nF	3F3CPA 22 SP4AAOX
3W3C	Rear press-fit spacer	.120"/3.13	47 nF	3F3CPA 22 SP1W4OX
3W3C	Rear press-fit spacer	.120"/3.27	47 nF	3F3CPA 22 SP2W4OX
3W3C	Rear press-fit spacer	.120"/3.22	47 nF	3F3CPA 22 SP4W4OX

PCB clip .122"/3.1 ± .004"/0.10 mm diameter and .063"/1.6 mm circuit board thickness. For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 5W5

Press-fit contact – Straight – Precision machined contacts

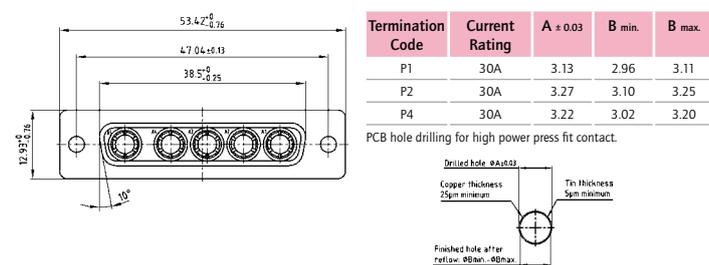


RoHS compliant – UL listed, File No.: E228329

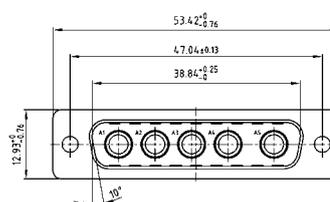
## DESCRIPTION

- 707 VDC (other DWV on request)
- Mounting styles:
  - with threaded rear spacer and 4-40 UNC threaded insert
  - with rear press-fit spacer and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

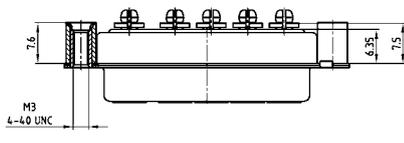
## SOCKET CONNECTOR



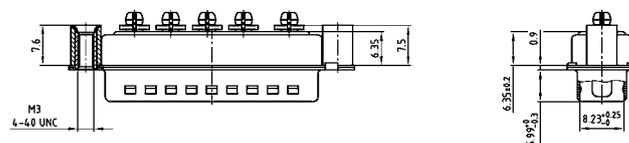
## PLUG CONNECTOR



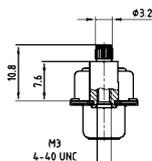
Mounting style: 4-40 UNC threaded rear spacer



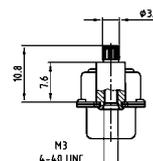
Mounting style: 4-40 UNC threaded rear spacer



Mounting style: Rear press-fit spacer



Mounting style: Rear press-fit spacer



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer	.120"/3.13	47 nF	5F5SSA 22 SP1AAOX
5W5	Threaded rear spacer	.130"/3.27	47 nF	5F5SSA 22 SP2AAOX
5W5	Threaded rear spacer	.120"/3.22	47 nF	5F5SSA 22 SP4AAOX
5W5	Rear press-fit spacer	.120"/3.13	47 nF	5F5SSA 22 SP1W4OX
5W5	Rear press-fit spacer	.120"/3.27	47 nF	5F5SSA 22 SP2W4OX
5W5	Rear press-fit spacer	.120"/3.22	47 nF	5F5SSA 22 SP4W4OX

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
5W5	Threaded rear spacer	.120"/3.13	47 nF	5F5SPA 22 SP1AAOX
5W5	Threaded rear spacer	.130"/3.27	47 nF	5F5SPA 22 SP2AAOX
5W5	Threaded rear spacer	.120"/3.22	47 nF	5F5SPA 22 SP4AAOX
5W5	Rear press-fit spacer	.120"/3.13	47 nF	5F5SPA 22 SP1W4OX
5W5	Rear press-fit spacer	.120"/3.27	47 nF	5F5SPA 22 SP2W4OX
5W5	Rear press-fit spacer	.120"/3.22	47 nF	5F5SPA 22 SP4W4OX

PCB clip: .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.  
 For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

# C-FILTER COMBINATION D-SUB 8W8

Press-fit contact – Straight – Precision machined contacts

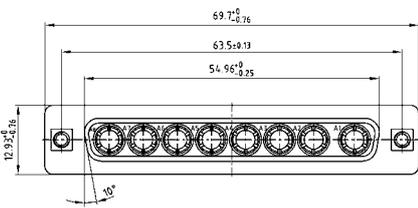


RoHS compliant – UL listed, File No.: E228329

## DESCRIPTION

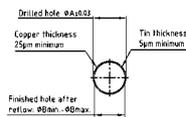
- 707 VDC (other DWV on request)
- Mounting styles:
  - with threaded rear spacer and 4-40 UNC threaded insert
  - with rear press-fit spacer and 4-40 UNC threaded insert
- Mounting styles with M3 thread on request
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated

## SOCKET CONNECTOR

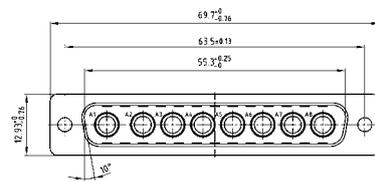


Termination Code	Current Rating	A ± 0.03	B min.	B max.
P1	30A	3.13	2.96	3.11
P2	30A	3.27	3.10	3.25
P4	30A	3.22	3.02	3.20

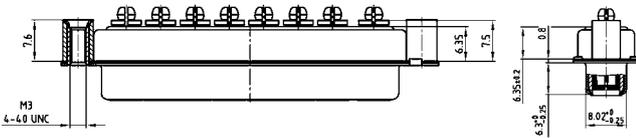
PCB hole drilling for high power press fit contact.



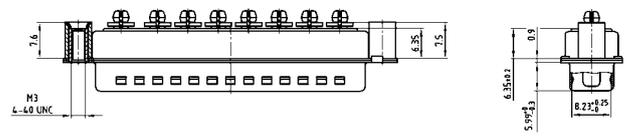
## PLUG CONNECTOR



Mounting style: 4-40 UNC threaded rear spacer



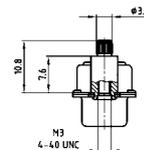
Mounting style: 4-40 UNC threaded rear spacer



Mounting style: 4-40 UNC rear press-fit spacer



Mounting style: 4-40 UNC rear press-fit spacer



## ORDER DATA

SOCKET CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer	.120°/3.13	47 nF	8F8SSA 22 SP1AAOX
8W8	Threaded rear spacer	.130°/3.27	47 nF	8F8SSA 22 SP2AAOX
8W8	Threaded rear spacer	.120°/3.22	47 nF	8F8SSA 22 SP4AAOX
8W8	Rear press-fit spacer	.120°/3.13	47 nF	8F8SSA 22 SP1W4OX
8W8	Rear press-fit spacer	.120°/3.27	47 nF	8F8SSA 22 SP2W4OX
8W8	Rear press-fit spacer	.120°/3.22	47 nF	8F8SSA 22 SP4W4OX

PLUG CONNECTOR				
Type	Mounting style 4-40 UNC	Ø A	Capacitance	Part Number
8W8	Threaded rear spacer	.120°/3.13	47 nF	8F8SPA 22 SP1AAOX
8W8	Threaded rear spacer	.130°/3.27	47 nF	8F8SPA 22 SP2AAOX
8W8	Threaded rear spacer	.120°/3.22	47 nF	8F8SPA 22 SP4AAOX
8W8	Rear press-fit spacer	.120°/3.13	47 nF	8F8SPA 22 SP1W4OX
8W8	Rear press-fit spacer	.120°/3.27	47 nF	8F8SPA 22 SP2W4OX
8W8	Rear press-fit spacer	.120°/3.22	47 nF	8F8SPA 22 SP4W4OX

PCB clip .122°/3.1 ± .004°/0.10 mm hole diameter and .063°/1.6 mm circuit board thickness. For other capacitance values refer to the part number creator.

Capacitance value	Code
100 nF	28
47 nF	22
12 nF	14
10 nF	12
5 nF	08
1.3 nF	05

## SECTION 10

# IP67 FILTER D-SUB CONNECTORS

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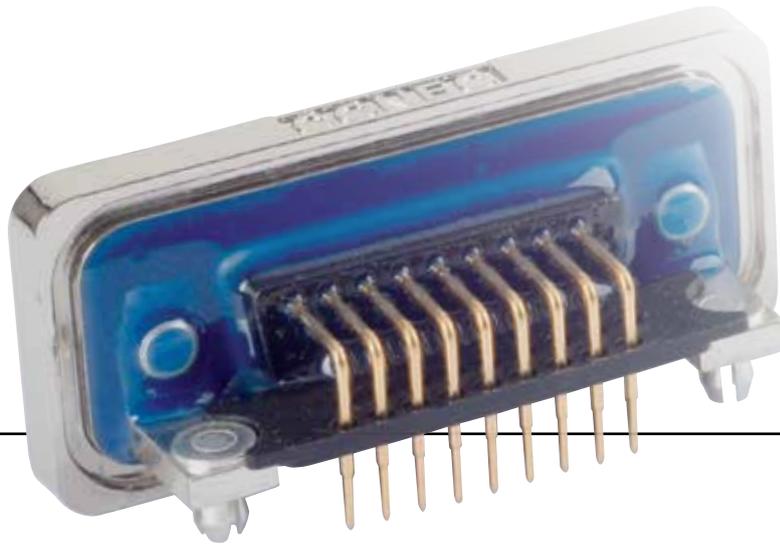
Many applications in harsh, industrial environments place additional demands on the interface.

The filtered, water resistant connector system developed by CONEC is well suited for applications that require increased EMC protection under ambient conditions where there is risk of dust and moisture.

The system includes D-Subminiature Connectors in standard and high-density designs.

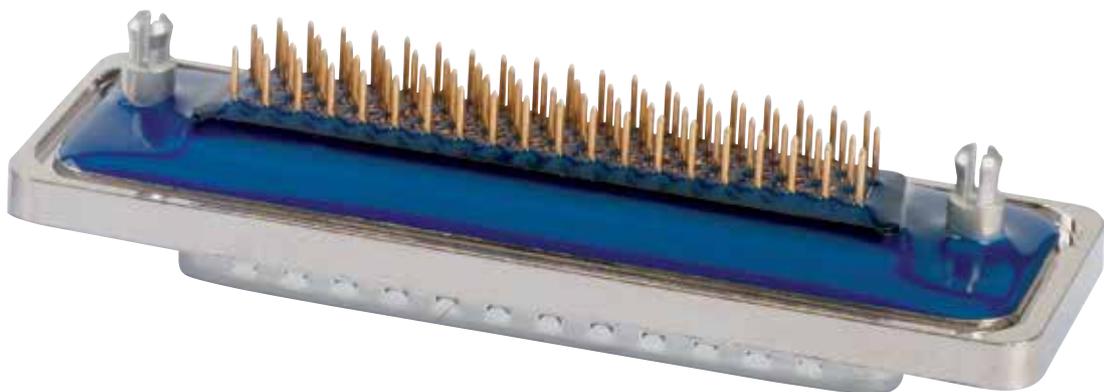
This connector system designed to IEC 60529 with an IP67 rating. In order to ensure these requirements are met, special sealing measures have been taken for these connectors and their sealing frames. Special water resistant accessories and protective caps supplement the product line.





#### System details:

- Plastic or metal frame with O-ring for sealing
- Seal in the connector plug- water cannot penetrate into the housing
- Available for front side or rear side panel of the enclosure
- Connector without frame for cable housing
- Special threaded parts, 4-40 UNC and M 3
- Plastic materials comply with UL 94 V0
- Machined precision contacts for heavy duty usage
- Various gold plating options available
- All conventional contact termination types available
- Special accessories, e.g. water resistant hoods and sealing caps



# PART NUMBER CREATOR

6 S T F O 9 P A M O 4 B 3 O X

### Product Line

- 4\* = Shell brass tin plated with plastic frame or without frame
- 6 = Shell brass tin plated with metal frame (Standard)  
(\*on request)

### Variations

- STF = D-Subminiatur Standard filtered
- HDF = D-Subminiatur High Density filtered

### No. of pos. for STF                      No. of pos. for HDF

- |              |              |
|--------------|--------------|
| 09 = 09 pos. | 15 = 15 pos. |
| 15 = 15 pos. | 26 = 26 pos. |
| 25 = 25 pos. | 44 = 44 pos. |
| 37 = 37 pos. | 62 = 62 pos. |
| 50 = 50 pos. | 78 = 78 pos. |

- P = Plug connector (Standard)  
(Socket connector on request)

### Quality class / Plating code for contacts

- A = Quality class 3 = 50 mating cycles
- B = Quality class 2 = 200 mating cycles
- C = Quality class 1 = 500 mating cycles

### Termination

- M = Solder cup only for STF
- R = Solder pin, straight
- T = Solder pin, angled, .189" / 4.80 mm only for STF
- U = Solder pin, angled, .276" / 7.00 mm only for STF
- Z = Solder pin, angled, .465" / 11.80 mm only for STF
- Y = Solder pin, angled, .220" / 5.60 mm only for HDF

### Capacitance

- 01 = 180 pF ± 20% tolerance
- 03 = 370 pF ± 20% tolerance
- 04 = 830 pF ± 20% tolerance
- 05\* = 1300 pF ± 20% tolerance                      \*not applicable for HDF

### Mounting style

- A1 = Riveted through hole for cable mount / Shell without sealing frame
- B2 = M3 threaded insert
- B3 = 4-40 UNC threaded insert
- B4 = Threaded lock for M3 front mounting
- B5 = Threaded lock for 4-40 UNC front mounting
- E1 = M3 threaded rear spacer with PCB clip, PCB .063" / 1.60 mm
- E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" / 1.60 mm
- S1 = Metal bracket, M3 threaded insert
- S2 = Metal bracket, 4-40 UNC threaded insert
- S3 = Metal bracket, M3 threaded insert and PCB clip
- S4 = Metal bracket, 4-40 UNC threaded insert and PCB clip
- R1 = Metal bracket, M3 threaded insert
- R2 = Metal bracket, 4-40 UNC threaded insert
- R3 = Metal bracket, M3 threaded insert and PCB clip
- R4 = Metal bracket, 4-40 UNC threaded insert and PCB clip

- OX = Standard

## PANEL CUT-OUT

### FRONT PANEL MOUNTING



### REAR PANEL MOUNTING



The hex bolts illustrated here (4-40 UNC or M3 threads) are included in the delivery complement of every connector with a sealing frame. The length of this spacer has been selected to accommodate a panel thickness of .063"/1.6 mm such that it does not extend beyond the plug-in height. Furthermore, the hex bolts outside threads are shorter than standard hex bolts. Material: stainless steel.

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts – For wire size AWG 26

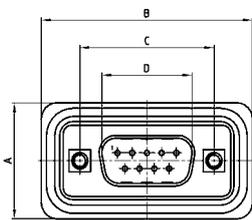


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

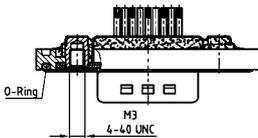
- Suitable for wire size AWG 26 (AWG 20 available on request)
- Mounting style: with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame (Black plastic frame on request)

## PRODUCT DRAWING

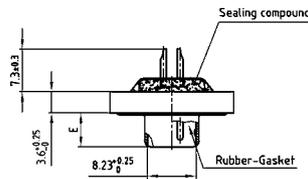


No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69
50	23.90	75.50	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	52.68	5.69

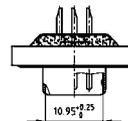
Mounting style: Threaded insert



9-37 pos.



50 pos.



## ORDER DATA

Capacitance 180 pF

PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number
09	Threaded insert	6STF09PAM01B20X
15	Threaded insert	6STF15PAM01B20X
25	Threaded insert	6STF25PAM01B20X
37	Threaded insert	6STF37PAM01B20X
50	Threaded insert	6STF50PAM01B20X

PLUG CONNECTOR		
No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	6STF09PAM01B30X
15	Threaded insert	6STF15PAM01B30X
25	Threaded insert	6STF25PAM01B30X
37	Threaded insert	6STF37PAM01B30X
50	Threaded insert	6STF50PAM01B30X

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts – For wire size AWG 26

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	6STF09PAM03B20X	09	Threaded insert	6STF09PAM03B30X
15	Threaded insert	6STF15PAM03B20X	15	Threaded insert	6STF15PAM03B30X
25	Threaded insert	6STF25PAM03B20X	25	Threaded insert	6STF25PAM03B30X
37	Threaded insert	6STF37PAM03B20X	37	Threaded insert	6STF37PAM03B30X
50	Threaded insert	6STF50PAM03B20X	50	Threaded insert	6STF50PAM03B30X

### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	6STF09PAM04B20X	09	Threaded insert	6STF09PAM04B30X
15	Threaded insert	6STF15PAM04B20X	15	Threaded insert	6STF15PAM04B30X
25	Threaded insert	6STF25PAM04B20X	25	Threaded insert	6STF25PAM04B30X
37	Threaded insert	6STF37PAM04B20X	37	Threaded insert	6STF37PAM04B30X
50	Threaded insert	6STF50PAM04B20X	50	Threaded insert	6STF50PAM04B30X

### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	6STF09PAM05B20X	09	Threaded insert	6STF09PAM05B30X
15	Threaded insert	6STF15PAM05B20X	15	Threaded insert	6STF15PAM05B30X
25	Threaded insert	6STF25PAM05B20X	25	Threaded insert	6STF25PAM05B30X
37	Threaded insert	6STF37PAM05B20X	37	Threaded insert	6STF37PAM05B30X
50	Threaded insert	6STF50PAM05B20X	50	Threaded insert	6STF50PAM05B30X

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Straight – Precision machined contacts

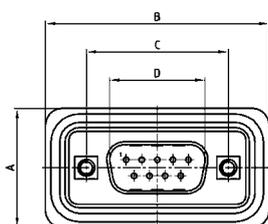


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)

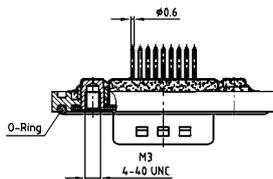
## PRODUCT DRAWING



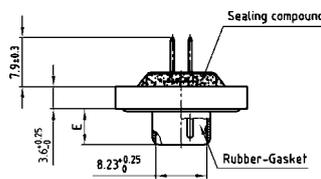
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69
50	23.90	75.50	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	52.68	5.69

PCB-Layout: Kat1kFVA / Kat1kFUA

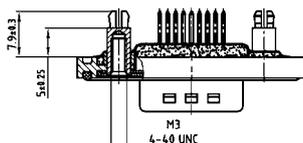
Mounting style: Threaded insert



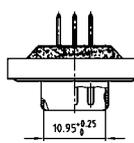
9-37 pos.



Mounting style: Threaded rear spacer with PCB clip



50 pos.



## ORDER DATA

Capacitance 180 pF

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAR01 B20X
15	M3 Threaded insert	6STF15PAR01 B20X
25	M3 Threaded insert	6STF25PAR01 B20X
37	M3 Threaded insert	6STF37PAR01 B20X
50	M3 Threaded insert	6STF50PAR01 B20X
09	4-40 UNC Threaded insert	6STF09PAR01 B30X
15	4-40 UNC Threaded insert	6STF15PAR01 B30X
25	4-40 UNC Threaded insert	6STF25PAR01 B30X
37	4-40 UNC Threaded insert	6STF37PAR01 B30X
50	4-40 UNC Threaded insert	6STF50PAR01 B30X

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	M3 Threaded rear spacer PCB clip	6STF09PAR01 E10X
15	M3 Threaded rear spacer PCB clip	6STF15PAR01 E10X
25	M3 Threaded rear spacer PCB clip	6STF25PAR01 E10X
37	M3 Threaded rear spacer PCB clip	6STF37PAR01 E10X
50	M3 Threaded rear spacer PCB clip	6STF50PAR01 E10X
09	4-40 UNC Threaded rear spacer PCB clip	6STF09PAR01 E20X
15	4-40 UNC Threaded rear spacer PCB clip	6STF15PAR01 E20X
25	4-40 UNC Threaded rear spacer PCB clip	6STF25PAR01 E20X
37	4-40 UNC Threaded rear spacer PCB clip	6STF37PAR01 E20X
50	4-40 UNC Threaded rear spacer PCB clip	6STF50PAR01 E20X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Straight – Precision machined contacts

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAR03B20X	09	M3 Threaded rear spacer PCB clip	6STF09PAR03E10X
15	M3 Threaded insert	6STF15PAR03B20X	15	M3 Threaded rear spacer PCB clip	6STF15PAR03E10X
25	M3 Threaded insert	6STF25PAR03B20X	25	M3 Threaded rear spacer PCB clip	6STF25PAR03E10X
37	M3 Threaded insert	6STF37PAR03B20X	37	M3 Threaded rear spacer PCB clip	6STF37PAR03E10X
50	M3 Threaded insert	6STF50PAR03B20X	50	M3 Threaded rear spacer PCB clip	6STF50PAR03E10X
09	4-40 UNC Threaded insert	6STF09PAR03B30X	09	4-40 UNC Threaded rear spacer PCB clip	6STF09PAR03E20X
15	4-40 UNC Threaded insert	6STF15PAR03B30X	15	4-40 UNC Threaded rear spacer PCB clip	6STF15PAR03E20X
25	4-40 UNC Threaded insert	6STF25PAR03B30X	25	4-40 UNC Threaded rear spacer PCB clip	6STF25PAR03E20X
37	4-40 UNC Threaded insert	6STF37PAR03B30X	37	4-40 UNC Threaded rear spacer PCB clip	6STF37PAR03E20X
50	4-40 UNC Threaded insert	6STF50PAR03B30X	50	4-40 UNC Threaded rear spacer PCB clip	6STF50PAR03E20X

### Capacitance 830 pF

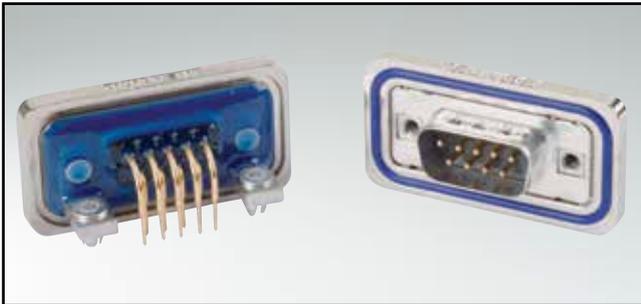
PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAR04B20X	09	M3 Threaded rear spacer PCB clip	6STF09PAR04E10X
15	M3 Threaded insert	6STF15PAR04B20X	15	M3 Threaded rear spacer PCB clip	6STF15PAR04E10X
25	M3 Threaded insert	6STF25PAR04B20X	25	M3 Threaded rear spacer PCB clip	6STF25PAR04E10X
37	M3 Threaded insert	6STF37PAR04B20X	37	M3 Threaded rear spacer PCB clip	6STF37PAR04E10X
50	M3 Threaded insert	6STF50PAR04B20X	50	M3 Threaded rear spacer PCB clip	6STF50PAR04E10X
09	4-40 UNC Threaded insert	6STF09PAR04B30X	09	4-40 UNC Threaded rear spacer PCB clip	6STF09PAR04E20X
15	4-40 UNC Threaded insert	6STF15PAR04B30X	15	4-40 UNC Threaded rear spacer PCB clip	6STF15PAR04E20X
25	4-40 UNC Threaded insert	6STF25PAR04B30X	25	4-40 UNC Threaded rear spacer PCB clip	6STF25PAR04E20X
37	4-40 UNC Threaded insert	6STF37PAR04B30X	37	4-40 UNC Threaded rear spacer PCB clip	6STF37PAR04E20X
50	4-40 UNC Threaded insert	6STF50PAR04B30X	50	4-40 UNC Threaded rear spacer PCB clip	6STF50PAR04E20X

### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAR05B20X	09	M3 Threaded rear spacer PCB clip	6STF09PAR05E10X
15	M3 Threaded insert	6STF15PAR05B20X	15	M3 Threaded rear spacer PCB clip	6STF15PAR05E10X
25	M3 Threaded insert	6STF25PAR05B20X	25	M3 Threaded rear spacer PCB clip	6STF25PAR05E10X
37	M3 Threaded insert	6STF37PAR05B20X	37	M3 Threaded rear spacer PCB clip	6STF37PAR05E10X
50	M3 Threaded insert	6STF50PAR05B20X	50	M3 Threaded rear spacer PCB clip	6STF50PAR05E10X
09	4-40 UNC Threaded insert	6STF09PAR05B30X	09	4-40 UNC Threaded rear spacer PCB clip	6STF09PAR05E20X
15	4-40 UNC Threaded insert	6STF15PAR05B30X	15	4-40 UNC Threaded rear spacer PCB clip	6STF15PAR05E20X
25	4-40 UNC Threaded insert	6STF25PAR05B30X	25	4-40 UNC Threaded rear spacer PCB clip	6STF25PAR05E20X
37	4-40 UNC Threaded insert	6STF37PAR05B30X	37	4-40 UNC Threaded rear spacer PCB clip	6STF37PAR05E20X
50	4-40 UNC Threaded insert	6STF50PAR05B30X	50	4-40 UNC Threaded rear spacer PCB clip	6STF50PAR05E20X

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .189" / 4.8 mm –  
Precision machined contacts – Metal bracket

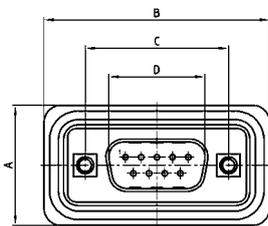


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame (Black plastic frame on request)

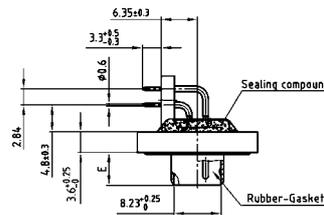
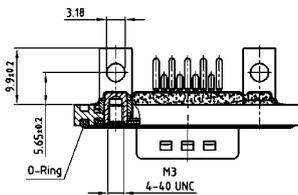
## PRODUCT DRAWING



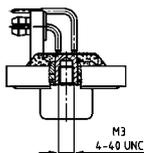
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69

PCB-Layout: Kat1kGSA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

Capacitance 180 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAT01S10X	09	PCB clip / M3 Threaded insert	6STF09PAT01S30X
15	M3 Threaded insert	6STF15PAT01S10X	15	PCB clip / M3 Threaded insert	6STF15PAT01S30X
25	M3 Threaded insert	6STF25PAT01S10X	25	PCB clip / M3 Threaded insert	6STF25PAT01S30X
37	M3 Threaded insert	6STF37PAT01S10X	37	PCB clip / M3 Threaded insert	6STF37PAT01S30X
09	4-40 UNC Threaded insert	6STF09PAT01S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAT01S40X
15	4-40 UNC Threaded insert	6STF15PAT01S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAT01S40X
25	4-40 UNC Threaded insert	6STF25PAT01S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAT01S40X
37	4-40 UNC Threaded insert	6STF37PAT01S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAT01S40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .189" / 4.8 mm –

Precision machined contacts – Metal bracket

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAT03S10X	09	PCB clip / M3 Threaded insert	6STF09PAT03S30X
15	M3 Threaded insert	6STF15PAT03S10X	15	PCB clip / M3 Threaded insert	6STF15PAT03S30X
25	M3 Threaded insert	6STF25PAT03S10X	25	PCB clip / M3 Threaded insert	6STF25PAT03S30X
37	M3 Threaded insert	6STF37PAT03S10X	37	PCB clip / M3 Threaded insert	6STF37PAT03S30X
09	4-40 UNC Threaded insert	6STF09PAT03S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAT03S40X
15	4-40 UNC Threaded insert	6STF15PAT03S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAT03S40X
25	4-40 UNC Threaded insert	6STF25PAT03S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAT03S40X
37	4-40 UNC Threaded insert	6STF37PAT03S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAT03S40X

### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAT04S10X	09	PCB clip / M3 Threaded insert	6STF09PAT04S30X
15	M3 Threaded insert	6STF15PAT04S10X	15	PCB clip / M3 Threaded insert	6STF15PAT04S30X
25	M3 Threaded insert	6STF25PAT04S10X	25	PCB clip / M3 Threaded insert	6STF25PAT04S30X
37	M3 Threaded insert	6STF37PAT04S10X	37	PCB clip / M3 Threaded insert	6STF37PAT04S30X
09	4-40 UNC Threaded insert	6STF09PAT04S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAT04S40X
15	4-40 UNC Threaded insert	6STF15PAT04S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAT04S40X
25	4-40 UNC Threaded insert	6STF25PAT04S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAT04S40X
37	4-40 UNC Threaded insert	6STF37PAT04S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAT04S40X

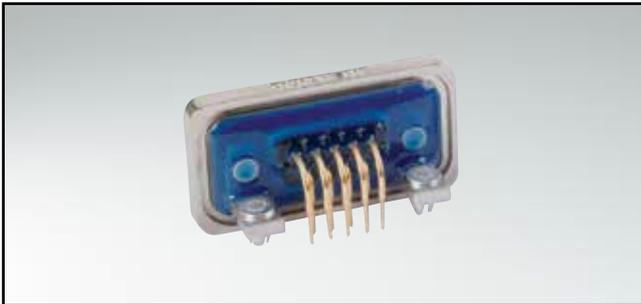
### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAT05S10X	09	PCB clip / M3 Threaded insert	6STF09PAT05S30X
15	M3 Threaded insert	6STF15PAT05S10X	15	PCB clip / M3 Threaded insert	6STF15PAT05S30X
25	M3 Threaded insert	6STF25PAT05S10X	25	PCB clip / M3 Threaded insert	6STF25PAT05S30X
37	M3 Threaded insert	6STF37PAT05S10X	37	PCB clip / M3 Threaded insert	6STF37PAT05S30X
09	4-40 UNC Threaded insert	6STF09PAT05S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAT05S40X
15	4-40 UNC Threaded insert	6STF15PAT05S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAT05S40X
25	4-40 UNC Threaded insert	6STF25PAT05S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAT05S40X
37	4-40 UNC Threaded insert	6STF37PAT05S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAT05S40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .276" / 7.0 mm –  
Precision machined contacts – Metal bracket

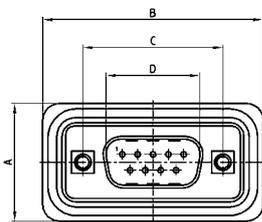


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)

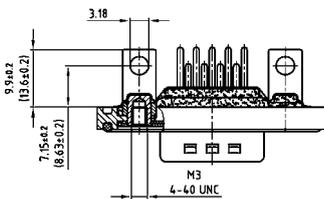
## PRODUCT DRAWING



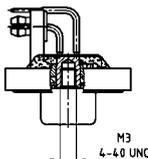
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69
50	23.90	75.50	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	52.68	5.69

PCB-Layout: Kat1kGTA

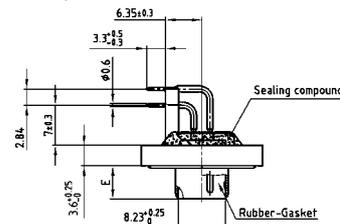
Mounting style: Threaded insert



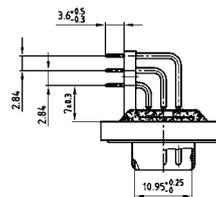
Mounting style: PCB clip, threaded insert



9-37 pos.



50 pos.



## ORDER DATA

### Capacitance 180 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAU01R10X	09	PCB clip / M3 Threaded insert	6STF09PAU01R30X
15	M3 Threaded insert	6STF15PAU01R10X	15	PCB clip / M3 Threaded insert	6STF15PAU01R30X
25	M3 Threaded insert	6STF25PAU01R10X	25	PCB clip / M3 Threaded insert	6STF25PAU01R30X
37	M3 Threaded insert	6STF37PAU01R10X	37	PCB clip / M3 Threaded insert	6STF37PAU01R30X
50	M3 Threaded insert	6STF50PAU01R10X	50	PCB clip / M3 Threaded insert	6STF50PAU01R30X
09	4-40 UNC Threaded insert	6STF09PAU01R20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAU01R40X
15	4-40 UNC Threaded insert	6STF15PAU01R20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAU01R40X
25	4-40 UNC Threaded insert	6STF25PAU01R20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAU01R40X
37	4-40 UNC Threaded insert	6STF37PAU01R20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAU01R40X
50	4-40 UNC Threaded insert	6STF50PAU01R20X	50	PCB clip / 4-40 UNC Threaded insert	6STF50PAU01R40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .276" / 7.0 mm –

Precision machined contacts – Metal bracket

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAU03R10X	09	PCB clip / M3 Threaded insert	6STF09PAU03R30X
15	M3 Threaded insert	6STF15PAU03R10X	15	PCB clip / M3 Threaded insert	6STF15PAU03R30X
25	M3 Threaded insert	6STF25PAU03R10X	25	PCB clip / M3 Threaded insert	6STF25PAU03R30X
37	M3 Threaded insert	6STF37PAU03R10X	37	PCB clip / M3 Threaded insert	6STF37PAU03R30X
50	M3 Threaded insert	6STF50PAU03R10X	50	PCB clip / M3 Threaded insert	6STF50PAU03R30X
09	4-40 UNC Threaded insert	6STF09PAU03R20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAU03R40X
15	4-40 UNC Threaded insert	6STF15PAU03R20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAU03R40X
25	4-40 UNC Threaded insert	6STF25PAU03R20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAU03R40X
37	4-40 UNC Threaded insert	6STF37PAU03R20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAU03R40X
50	4-40 UNC Threaded insert	6STF50PAU03R20X	50	PCB clip / 4-40 UNC Threaded insert	6STF50PAU03R40X

### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAU04R10X	09	PCB clip / M3 Threaded insert	6STF09PAU04R30X
15	M3 Threaded insert	6STF15PAU04R10X	15	PCB clip / M3 Threaded insert	6STF15PAU04R30X
25	M3 Threaded insert	6STF25PAU04R10X	25	PCB clip / M3 Threaded insert	6STF25PAU04R30X
37	M3 Threaded insert	6STF37PAU04R10X	37	PCB clip / M3 Threaded insert	6STF37PAU04R30X
50	M3 Threaded insert	6STF50PAU04R10X	50	PCB clip / M3 Threaded insert	6STF50PAU04R30X
09	4-40 UNC Threaded insert	6STF09PAU04R20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAU04R40X
15	4-40 UNC Threaded insert	6STF15PAU04R20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAU04R40X
25	4-40 UNC Threaded insert	6STF25PAU04R20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAU04R40X
37	4-40 UNC Threaded insert	6STF37PAU04R20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAU04R40X
50	4-40 UNC Threaded insert	6STF50PAU04R20X	50	PCB clip / 4-40 UNC Threaded insert	6STF50PAU04R40X

### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAU05R10X	09	PCB clip / M3 Threaded insert	6STF09PAU05R30X
15	M3 Threaded insert	6STF15PAU05R10X	15	PCB clip / M3 Threaded insert	6STF15PAU05R30X
25	M3 Threaded insert	6STF25PAU05R10X	25	PCB clip / M3 Threaded insert	6STF25PAU05R30X
37	M3 Threaded insert	6STF37PAU05R10X	37	PCB clip / M3 Threaded insert	6STF37PAU05R30X
50	M3 Threaded insert	6STF50PAU05R10X	50	PCB clip / M3 Threaded insert	6STF50PAU05R30X
09	4-40 UNC Threaded insert	6STF09PAU05R20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAU05R40X
15	4-40 UNC Threaded insert	6STF15PAU05R20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAU05R40X
25	4-40 UNC Threaded insert	6STF25PAU05R20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAU05R40X
37	4-40 UNC Threaded insert	6STF37PAU05R20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAU05R40X
50	4-40 UNC Threaded insert	6STF50PAU05R20X	50	PCB clip / 4-40 UNC Threaded insert	6STF50PAU05R40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .464" / 11.8 mm –  
Precision machined contacts – Metal bracket

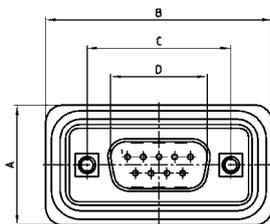


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame (Black plastic frame on request)

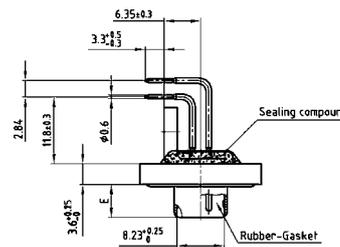
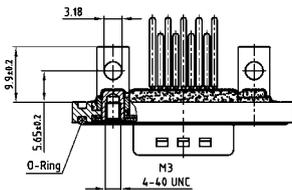
## PRODUCT DRAWING



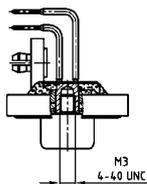
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69

PCB-Layout: Kat1kGUA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

Capacitance 180 pF

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAZ01S10X
15	M3 Threaded insert	6STF15PAZ01S10X
25	M3 Threaded insert	6STF25PAZ01S10X
37	M3 Threaded insert	6STF37PAZ01S10X
09	4-40 UNC Threaded insert	6STF09PAZ01S20X
15	4-40 UNC Threaded insert	6STF15PAZ01S20X
25	4-40 UNC Threaded insert	6STF25PAZ01S20X
37	4-40 UNC Threaded insert	6STF37PAZ01S20X

### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / M3 Threaded insert	6STF09PAZ01S30X
15	PCB clip / M3 Threaded insert	6STF15PAZ01S30X
25	PCB clip / M3 Threaded insert	6STF25PAZ01S30X
37	PCB clip / M3 Threaded insert	6STF37PAZ01S30X
09	PCB clip / 4-40 UNC Threaded insert	6STF09PAZ01S40X
15	PCB clip / 4-40 UNC Threaded insert	6STF15PAZ01S40X
25	PCB clip / 4-40 UNC Threaded insert	6STF25PAZ01S40X
37	PCB clip / 4-40 UNC Threaded insert	6STF37PAZ01S40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder pin – Angled – .464" / 11.8 mm –

Precision machined contacts – Metal bracket

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAZ03S10X	09	PCB clip / M3 Threaded insert	6STF09PAZ03S30X
15	M3 Threaded insert	6STF15PAZ03S10X	15	PCB clip / M3 Threaded insert	6STF15PAZ03S30X
25	M3 Threaded insert	6STF25PAZ03S10X	25	PCB clip / M3 Threaded insert	6STF25PAZ03S30X
37	M3 Threaded insert	6STF37PAZ03S10X	37	PCB clip / M3 Threaded insert	6STF37PAZ03S30X
09	4-40 UNC Threaded insert	6STF09PAZ03S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAZ03S40X
15	4-40 UNC Threaded insert	6STF15PAZ03S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAZ03S40X
25	4-40 UNC Threaded insert	6STF25PAZ03S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAZ03S40X
37	4-40 UNC Threaded insert	6STF37PAZ03S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAZ03S40X

### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAZ04S10X	09	PCB clip / M3 Threaded insert	6STF09PAZ04S30X
15	M3 Threaded insert	6STF15PAZ04S10X	15	PCB clip / M3 Threaded insert	6STF15PAZ04S30X
25	M3 Threaded insert	6STF25PAZ04S10X	25	PCB clip / M3 Threaded insert	6STF25PAZ04S30X
37	M3 Threaded insert	6STF37PAZ04S10X	37	PCB clip / M3 Threaded insert	6STF37PAZ04S30X
09	4-40 UNC Threaded insert	6STF09PAZ04S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAZ04S40X
15	4-40 UNC Threaded insert	6STF15PAZ04S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAZ04S40X
25	4-40 UNC Threaded insert	6STF25PAZ04S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAZ04S40X
37	4-40 UNC Threaded insert	6STF37PAZ04S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAZ04S40X

### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
09	M3 Threaded insert	6STF09PAZ05S10X	09	PCB clip / M3 Threaded insert	6STF09PAZ05S30X
15	M3 Threaded insert	6STF15PAZ05S10X	15	PCB clip / M3 Threaded insert	6STF15PAZ05S30X
25	M3 Threaded insert	6STF25PAZ05S10X	25	PCB clip / M3 Threaded insert	6STF25PAZ05S30X
37	M3 Threaded insert	6STF37PAZ05S10X	37	PCB clip / M3 Threaded insert	6STF37PAZ05S30X
09	4-40 UNC Threaded insert	6STF09PAZ05S20X	09	PCB clip / 4-40 UNC Threaded insert	6STF09PAZ05S40X
15	4-40 UNC Threaded insert	6STF15PAZ05S20X	15	PCB clip / 4-40 UNC Threaded insert	6STF15PAZ05S40X
25	4-40 UNC Threaded insert	6STF25PAZ05S20X	25	PCB clip / 4-40 UNC Threaded insert	6STF25PAZ05S40X
37	4-40 UNC Threaded insert	6STF37PAZ05S20X	37	PCB clip / 4-40 UNC Threaded insert	6STF37PAZ05S40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts –  
For wire size AWG 26 – Front mounting

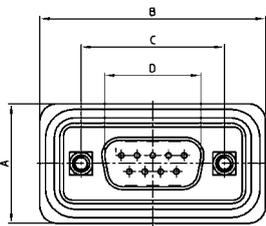


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

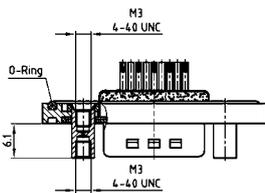
- Suitable for wire size **AWG 26** (AWG 20 available on request)
- Mounting style:  
with M3 or 4-40 UNC front spacer
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)

## PRODUCT DRAWING

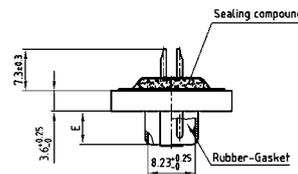


No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
09	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
15	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
25	21.10	61.40	47.04 <sup>+0.13</sup> <sub>-0.13</sub>	38.84	5.69
37	21.10	77.90	63.50 <sup>+0.13</sup> <sub>-0.13</sub>	55.30	5.69
50	23.90	75.50	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	52.68	5.69

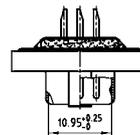
Mounting style: Threaded lock



9-37 pos.



50 pos.



## ORDER DATA

Capacitance 180 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Front spacer	6STF09PAM01B40X	09	Front spacer	6STF09PAM01B50X
15	Front spacer	6STF15PAM01B40X	15	Front spacer	6STF15PAM01B50X
25	Front spacer	6STF25PAM01B40X	25	Front spacer	6STF25PAM01B50X
37	Front spacer	6STF37PAM01B40X	37	Front spacer	6STF37PAM01B50X
50	Front spacer	6STF50PAM01B40X	50	Front spacer	6STF50PAM01B50X

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts –

For wire size AWG 26 – Front mounting

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Front spacer	6STF09PAM03B40X	09	Front spacer	6STF09PAM03B50X
15	Front spacer	6STF15PAM03B40X	15	Front spacer	6STF15PAM03B50X
25	Front spacer	6STF25PAM03B40X	25	Front spacer	6STF25PAM03B50X
37	Front spacer	6STF37PAM03B40X	37	Front spacer	6STF37PAM03B50X
50	Front spacer	6STF50PAM03B40X	50	Front spacer	6STF50PAM03B50X

### Capacitance 830 pF

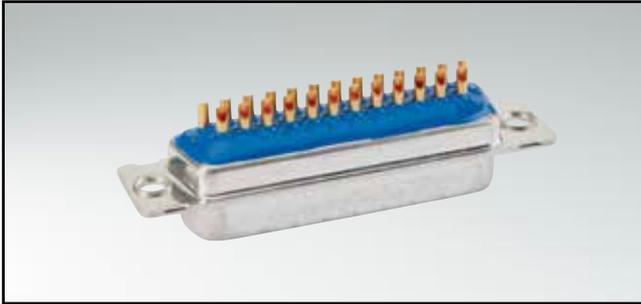
PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Front spacer	6STF09PAM04B40X	09	Front spacer	6STF09PAM04B50X
15	Front spacer	6STF15PAM04B40X	15	Front spacer	6STF15PAM04B50X
25	Front spacer	6STF25PAM04B40X	25	Front spacer	6STF25PAM04B50X
37	Front spacer	6STF37PAM04B40X	37	Front spacer	6STF37PAM04B50X
50	Front spacer	6STF50PAM04B40X	50	Front spacer	6STF50PAM04B50X

### Capacitance 1300 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style M3	Part Number	No. of pos.	Mounting style 4-40 UNC	Part Number
09	Front spacer	6STF09PAM05B40X	09	Front spacer	6STF09PAM05B50X
15	Front spacer	6STF15PAM05B40X	15	Front spacer	6STF15PAM05B50X
25	Front spacer	6STF25PAM05B40X	25	Front spacer	6STF25PAM05B50X
37	Front spacer	6STF37PAM05B40X	37	Front spacer	6STF37PAM05B50X
50	Front spacer	6STF50PAM05B40X	50	Front spacer	6STF50PAM05B50X

# IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts –  
For wire size AWG 26 – For hood assembly

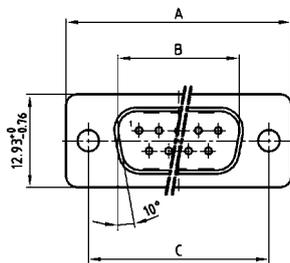


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

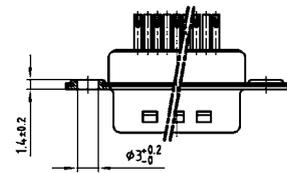
## DESCRIPTION

- Suitable for wire size AWG 26 (AWG 20 available on request)
- Mounting style:  
with through-hole  $\varnothing$  .118" / 3,0 mm
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated

## PRODUCT DRAWING

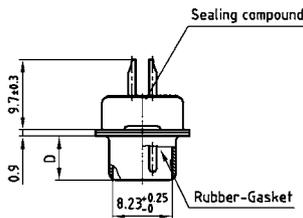


Mounting style: Through-hole

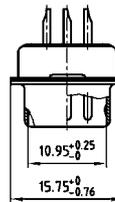


No. of pos.	A -0.76	B +0.25	C	D -0.30
09	31.19	16.79	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	6.12
15	39.52	25.12	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	6.12
25	53.42	38.84	47.04 <sup>+0.13</sup>	5.99
37	69.70	55.30	63.50 <sup>+0.13</sup>	5.99
50	67.31	52.68	61.10 <sup>+0.14</sup> <sub>-0.11</sub>	5.99

9-37 pos.



50 pos.



## ORDER DATA

Capacitance 180 pF

PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number
09	Through-hole	4STF09PAM01A10X
15	Through-hole	4STF15PAM01A10X
25	Through-hole	4STF25PAM01A10X
37	Through-hole	4STF37PAM01A10X
50	Through-hole	4STF50PAM01A10X

## IP67 C-FILTER D-SUB STANDARD

Plug connector – Solder cup – Precision machined contacts –

For wire size AWG 26 – For hood assembly

### ORDER DATA

#### Capacitance 370 pF

##### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	4STF09PAM03A10X
15	Through-hole	4STF15PAM03A10X
25	Through-hole	4STF25PAM03A10X
37	Through-hole	4STF37PAM03A10X
50	Through-hole	4STF50PAM03A10X

#### Capacitance 830 pF

##### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	4STF09PAM04A10X
15	Through-hole	4STF15PAM04A10X
25	Through-hole	4STF25PAM04A10X
37	Through-hole	4STF37PAM04A10X
50	Through-hole	4STF50PAM04A10X

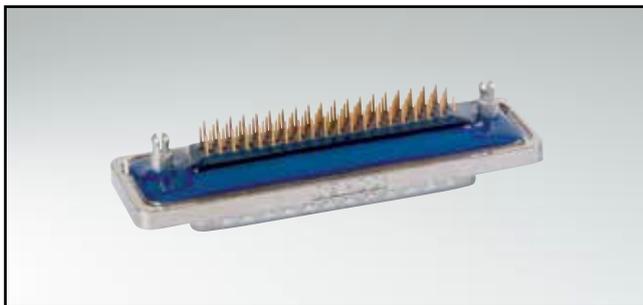
#### Capacitance 1300 pF

##### PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	4STF09PAM05A10X
15	Through-hole	4STF15PAM05A10X
25	Through-hole	4STF25PAM05A10X
37	Through-hole	4STF37PAM05A10X
50	Through-hole	4STF50PAM05A10X

# IP67 C-FILTER D-SUB HIGH DENSITY

Plug connector – Solder pin – Straight – Precision machined contacts

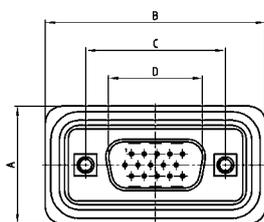


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)

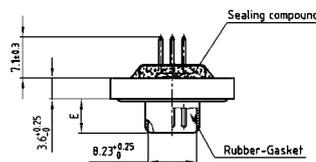
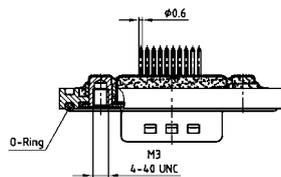
## PRODUCT DRAWING



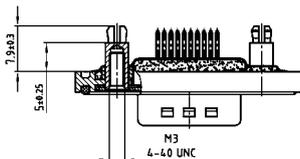
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
15	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
26	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
44	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
62	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69

PCB-Layout: Kat1kFWA / Kat1iU0A

Mounting style: Threaded insert



Mounting style: Threaded rear spacer with PCB clip



## ORDER DATA

Capacitance 180 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAR01B20X	15	M3 Threaded rear spacer PCB clip	6HDF15PAR01E10X
26	M3 Threaded insert	6HDF26PAR01B20X	26	M3 Threaded rear spacer PCB clip	6HDF26PAR01E10X
44	M3 Threaded insert	6HDF44PAR01B20X	44	M3 Threaded rear spacer PCB clip	6HDF44PAR01E10X
62	M3 Threaded insert	6HDF62PAR01B20X	62	M3 Threaded rear spacer PCB clip	6HDF62PAR01E10X
15	4-40 UNC Threaded insert	6HDF15PAR01B30X	15	4-40 UNC Threaded rear spacer PCB clip	6HDF15PAR01E20X
26	4-40 UNC Threaded insert	6HDF26PAR01B30X	26	4-40 UNC Threaded rear spacer PCB clip	6HDF26PAR01E20X
44	4-40 UNC Threaded insert	6HDF44PAR01B30X	44	4-40 UNC Threaded rear spacer PCB clip	6HDF44PAR01E20X
62	4-40 UNC Threaded insert	6HDF62PAR01B30X	62	4-40 UNC Threaded rear spacer PCB clip	6HDF62PAR01E20X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB HIGH DENSITY

Plug connector – Solder pin – Straight – Precision machined contacts

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAR03B20X	15	M3 Threaded rear spacer PCB clip	6HDF15PAR03E10X
26	M3 Threaded insert	6HDF26PAR03B20X	26	M3 Threaded rear spacer PCB clip	6HDF26PAR03E10X
44	M3 Threaded insert	6HDF44PAR03B20X	44	M3 Threaded rear spacer PCB clip	6HDF44PAR03E10X
62	M3 Threaded insert	6HDF62PAR03B20X	62	M3 Threaded rear spacer PCB clip	6HDF62PAR03E10X
15	4-40 UNC Threaded insert	6HDF15PAR03B30X	15	4-40 UNC Threaded rear spacer PCB clip	6HDF15PAR03E20X
26	4-40 UNC Threaded insert	6HDF26PAR03B30X	26	4-40 UNC Threaded rear spacer PCB clip	6HDF26PAR03E20X
44	4-40 UNC Threaded insert	6HDF44PAR03B30X	44	4-40 UNC Threaded rear spacer PCB clip	6HDF44PAR03E20X
62	4-40 UNC Threaded insert	6HDF62PAR03B30X	62	4-40 UNC Threaded rear spacer PCB clip	6HDF62PAR03E20X

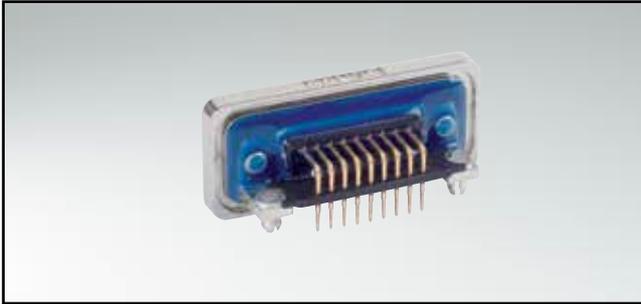
### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAR04B20X	15	M3 Threaded rear spacer PCB clip	6HDF15PAR04E10X
26	M3 Threaded insert	6HDF26PAR04B20X	26	M3 Threaded rear spacer PCB clip	6HDF26PAR04E10X
44	M3 Threaded insert	6HDF44PAR04B20X	44	M3 Threaded rear spacer PCB clip	6HDF44PAR04E10X
62	M3 Threaded insert	6HDF62PAR04B20X	62	M3 Threaded rear spacer PCB clip	6HDF62PAR04E10X
15	4-40 UNC Threaded insert	6HDF15PAR04B30X	15	4-40 UNC Threaded rear spacer PCB clip	6HDF15PAR04E20X
26	4-40 UNC Threaded insert	6HDF26PAR04B30X	26	4-40 UNC Threaded rear spacer PCB clip	6HDF26PAR04E20X
44	4-40 UNC Threaded insert	6HDF44PAR04B30X	44	4-40 UNC Threaded rear spacer PCB clip	6HDF44PAR04E20X
62	4-40 UNC Threaded insert	6HDF62PAR04B30X	62	4-40 UNC Threaded rear spacer PCB clip	6HDF62PAR04E20X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB HIGH DENSITY

Plug connector – Solder pin – Angled – .220" / 5.6 mm –  
Precision machined contacts – Metal bracket

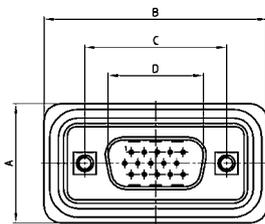


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E 202784

## DESCRIPTION

- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)

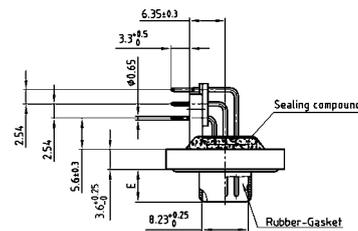
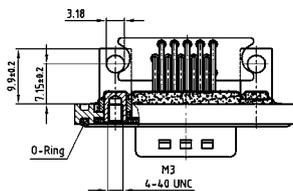
## PRODUCT DRAWING



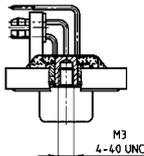
No. of pos.	A +0.30	B +0.30	C	D +0.25	E -0.30
15	21.10	39.40	25.00 <sup>+0.12</sup> <sub>-0.13</sub>	16.79	5.82
26	21.10	47.70	33.30 <sup>+0.15</sup> <sub>-0.10</sub>	25.12	5.82
44	21.10	61.40	47.04 <sup>+0.13</sup>	38.84	5.69
62	21.10	77.90	63.50 <sup>+0.13</sup>	55.30	5.69

PCB-Layout: Kat1kgWA

Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



## ORDER DATA

### Capacitance 180 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAY01R10X	15	PCB clip / M3 Threaded insert	6HDF15PAY01R30X
26	M3 Threaded insert	6HDF26PAY01R10X	26	PCB clip / M3 Threaded insert	6HDF26PAY01R30X
44	M3 Threaded insert	6HDF44PAY01R10X	44	PCB clip / M3 Threaded insert	6HDF44PAY01R30X
62	M3 Threaded insert	6HDF62PAY01R10X	62	PCB clip / M3 Threaded insert	6HDF62PAY01R30X
15	4-40 UNC Threaded insert	6HDF15PAY01R20X	15	PCB clip / 4-40 UNC Threaded insert	6HDF15PAY01R40X
26	4-40 UNC Threaded insert	6HDF26PAY01R20X	26	PCB clip / 4-40 UNC Threaded insert	6HDF26PAY01R40X
44	4-40 UNC Threaded insert	6HDF44PAY01R20X	44	PCB clip / 4-40 UNC Threaded insert	6HDF44PAY01R40X
62	4-40 UNC Threaded insert	6HDF62PAY01R20X	62	PCB clip / 4-40 UNC Threaded insert	6HDF62PAY01R40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

# IP67 C-FILTER D-SUB HIGH DENSITY

Plug connector – Solder pin – Angled – .220" / 5.6 mm –

Precision machined contacts – Metal bracket

## ORDER DATA

### Capacitance 370 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAY03R10X	15	PCB clip / M3 Threaded insert	6HDF15PAY03R30X
26	M3 Threaded insert	6HDF26PAY03R10X	26	PCB clip / M3 Threaded insert	6HDF26PAY03R30X
44	M3 Threaded insert	6HDF44PAY03R10X	44	PCB clip / M3 Threaded insert	6HDF44PAY03R30X
62	M3 Threaded insert	6HDF62PAY03R10X	62	PCB clip / M3 Threaded insert	6HDF62PAY03R30X
15	4-40 UNC Threaded insert	6HDF15PAY03R20X	15	PCB clip / 4-40 UNC Threaded insert	6HDF15PAY03R40X
26	4-40 UNC Threaded insert	6HDF26PAY03R20X	26	PCB clip / 4-40 UNC Threaded insert	6HDF26PAY03R40X
44	4-40 UNC Threaded insert	6HDF44PAY03R20X	44	PCB clip / 4-40 UNC Threaded insert	6HDF44PAY03R40X
62	4-40 UNC Threaded insert	6HDF62PAY03R20X	62	PCB clip / 4-40 UNC Threaded insert	6HDF62PAY03R40X

### Capacitance 830 pF

PLUG CONNECTOR			PLUG CONNECTOR		
No. of pos.	Mounting style	Part Number	No. of pos.	Mounting style	Part Number
15	M3 Threaded insert	6HDF15PAY04R10X	15	PCB clip / M3 Threaded insert	6HDF15PAY04R30X
26	M3 Threaded insert	6HDF26PAY04R10X	26	PCB clip / M3 Threaded insert	6HDF26PAY04R30X
44	M3 Threaded insert	6HDF44PAY04R10X	44	PCB clip / M3 Threaded insert	6HDF44PAY04R30X
62	M3 Threaded insert	6HDF62PAY04R10X	62	PCB clip / M3 Threaded insert	6HDF62PAY04R30X
15	4-40 UNC Threaded insert	6HDF15PAY04R20X	15	PCB clip / 4-40 UNC Threaded insert	6HDF15PAY04R40X
26	4-40 UNC Threaded insert	6HDF26PAY04R20X	26	PCB clip / 4-40 UNC Threaded insert	6HDF26PAY04R40X
44	4-40 UNC Threaded insert	6HDF44PAY04R20X	44	PCB clip / 4-40 UNC Threaded insert	6HDF44PAY04R40X
62	4-40 UNC Threaded insert	6HDF62PAY04R20X	62	PCB clip / 4-40 UNC Threaded insert	6HDF62PAY04R40X

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

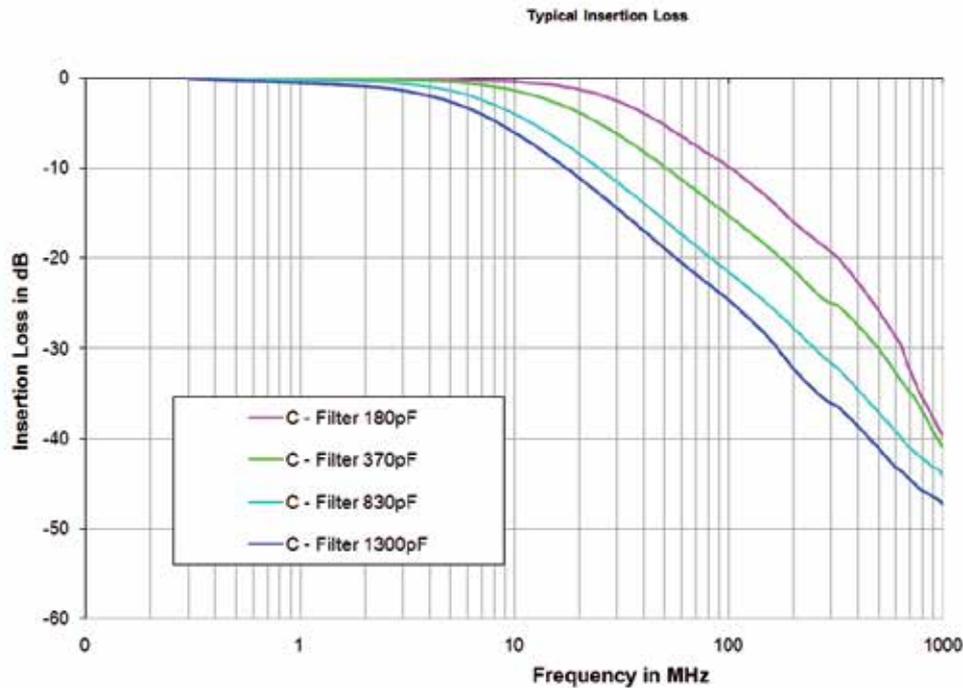
# TECHNICAL DATA

<b>Materials</b>	<b>Filter D-SUB Standard IP67 9, 15, 25, 37 and 50 position</b>	<b>Filter D-SUB High Density IP67 15, 26, 44, and 62 position</b>
Insulator	Polyester GF UL94 V-0	
Contacts	CU alloy	
Contact plating	Gold plated over nickel, solder area tin plated (PCB)	
Shell	Brass tin plated	
<b>Mechanical and electrical characteristics</b>		
Dielectric with standing voltage	Standard 424 VDC	Standard 300 VDC
Working voltage	100 VDC Depending on isolation coordination (refer to DIN VDE 0110/IEC 664-1)	100 VDC
Contact resistance	Max. 10 mΩ prior to stressing, Δ R max. 10 mΩ after stressing per DIN 41652, Part 2	
Insulation resistance	≥ 1GΩ	
Current rating	7.5 A (UL) / 5 A (CSA, VDE)	3 A (UL, VDE) / 2.5 A (CSA)
Voltage surge 10/700μs	Standard 300 V	Standard 300 V
Temperature working range	-25°C to +105°C	-25°C to +85°C
Capacitor values For other capacitance values please contact the factory.	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance 1300 pF ± 20% tolerance	180 pF ± 20% tolerance 370 pF ± 20% tolerance 830 pF ± 20% tolerance
Mating and unmating forces	9 pos. ≤ 30 N 15 pos. ≤ 50 N 25 pos. ≤ 83 N 37 pos. ≤ 123 N 50 pos. ≤ 167 N	15 pos. ≤ 50 N 26 pos. ≤ 84 N 44 pos. ≤ 120 N 62 pos. ≤ 170 N
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles	
Degree of protection	Requirement according to IEC 60529 – IP67	

Technical specifications are subject to change without notice.

# INSERTION LOSS

## C-FILTER WITH PLANAR FILTER TECHNOLOGY



# SOLDER PROFILE

Connector Type	Preheating		Solder terminal dipping parameters	
	max. Temperature	Duration	max. Solder bath Temperature	max. Terminal Immersion Time
Filter D-SUB	100°C	30s	260°C	5s
Combo D-SUB Filter	120°C	120s	260°C	5s
Filter D-SUB Water Resistant	100°C	30s	240°C	5s
Combo D-SUB Water Resistant	120°C	120s	240°C	5s
D-SUB Water Resistant	120°C	120s	240°C	5s
D-SUB Solid Body Type Water Resistant	150°C	180s	265°C	8s
RJ45 Modular Jack Filtered	150°C	180s	265°C	8s
Filter Plates	150°C	180s	265°C	8s

Recommended wave-solder parameters for CONEC connectors.

## IP-CODE DEFINITIONS

1. Code figure	Definition	Remark
0	Not protected	
1	Protected against access to hazardous parts by the back of the hand. Protected against fixed foreign objects $\varnothing \geq 1.969''/50$ mm.	
2	Protected against access to hazardous parts with a finger. Protected against fixed foreign objects $\varnothing \geq .492''/12.5$ mm.	
3	Protected against access to hazardous parts with a tool. Protected against fixed foreign objects $\varnothing \geq .098''/2.5$ mm.	
4	Protected against access to hazardous parts with a wire. Protected against fixed foreign objects $\varnothing \geq .039''/1$ mm.	
5	Protected against access to hazardous parts with a wire. Dust protected.	Ingress of dust is not completely blocked. But dust may not penetrate to the extent that satisfactory operation of the device or safety is impaired.
6	Protected against access to hazardous parts with a wire. Dustproof. No ingress of dust.	

2. Code figure	Definition	Remark
0	Not protected	
1	Protected against dropper.	
2	Protected against dropper when the shell is tipped as much as 15°.	
3	Protected against spray water	Up to 60° of either side of the vertical, such spray water shall have no harmful effects.
4	Protected against splash water	On the shell from all directions, no harmful effects shall be incurred.
5	Protected against jets of water.	
6	Protected against strong jets of water.	
7	Protected against the effects of temporary submersion in water.	Water may not ingress in a volume that would cause harmful effects when the shell is submerged in water for 30 min at a depth of 1 m.
8	Protected against the effects of continuous submersion in water.	Water may not ingress in a volume that would cause harmful effects when the shell is continuously submerged in water under conditions agreed between manufacturer and user. However, these conditions must be more stringent than those described under code figure 7.
9k	Protected against water from high-pressure or steam cleaning.	

### Explanation to spray water protected (IP) systems and their environment.

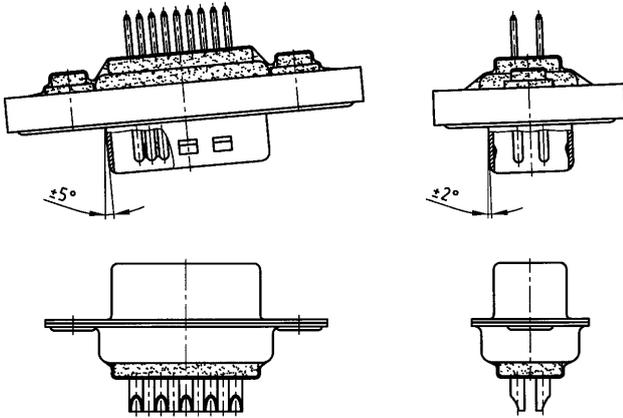
This system, described in IEC 60529, was developed to represent standard values for respective protection:

- Contact with, and ingress of, fixed foreign objects
- The ingress of liquids to which the inside is to be exposed.

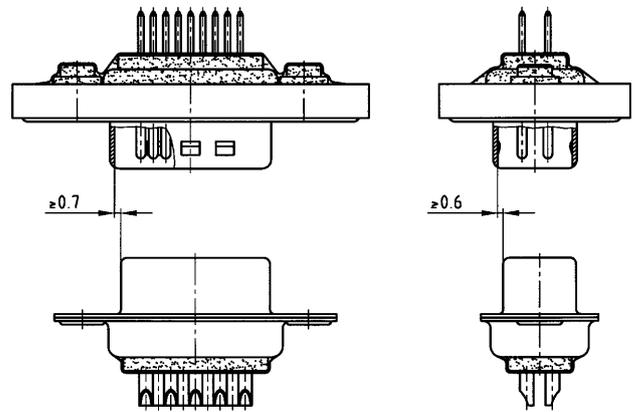
The first digit describes the level of protection for life, contacting objects and the intrusion of foreign bodies. The second digit describes the level of protection against the ingress of liquids. The larger the first and second digits are, the greater afforded protection is, e.g. IP55 must also meet the requirements of all lower protection levels, such as IP22, IP23, IP34 and IP54.

# MATING CONDITIONS

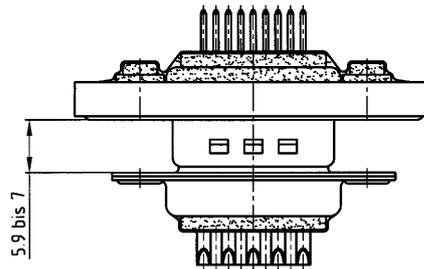
Float mount tolerance guide



Rigid mount tolerance guide

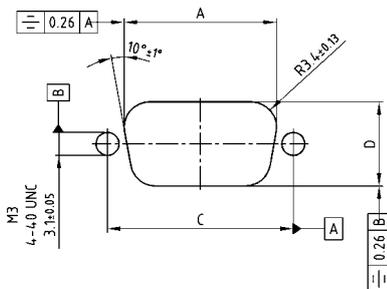


Rigid mount vertical to tolerance guide

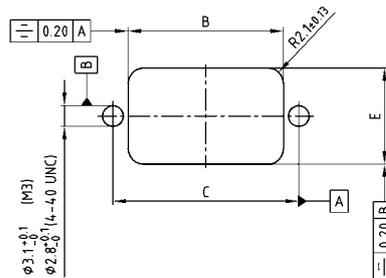


## PANEL CUT-OUT

Rear panel mounting



Front panel mounting

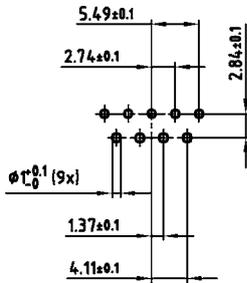


Shell size	A ± 0.1	B ± 0.1	C ± 0.1	D ± 0.1	E ± 0.1
9	20.50	20.90	25.00	11.40	13.00
15	28.80	29.20	33.30	11.40	13.00
25	42.50	42.90	47.04	11.40	13.00
37	59.10	59.40	63.50	11.40	13.00
50	56.30	57.00	61.10	14.10	15.80

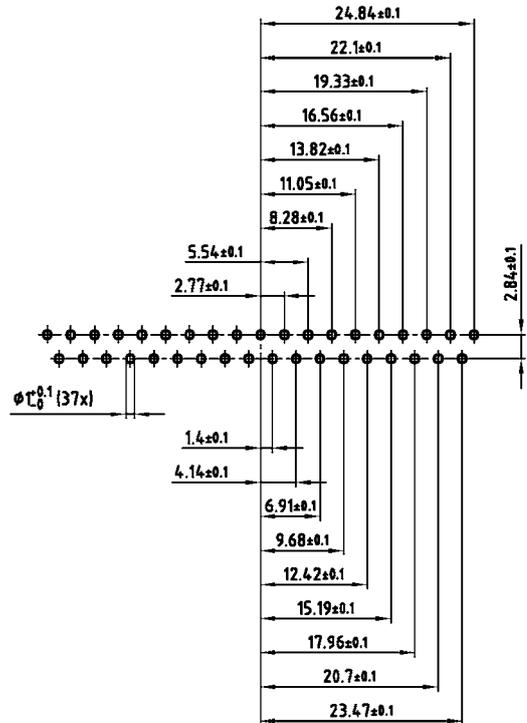
# PCB LAYOUT D-SUB STANDARD

Solder pin, straight – Without rear spacer PCB clip – Plug connector

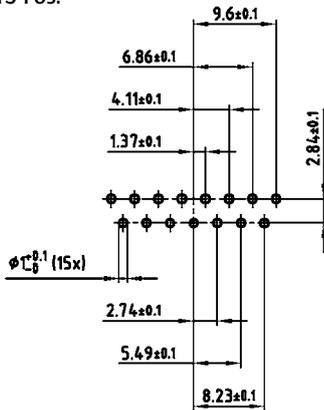
9 POS.



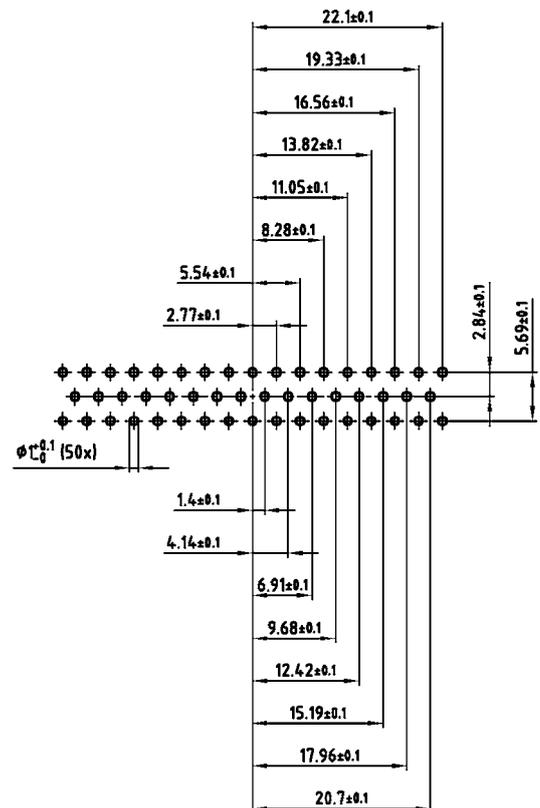
37 POS.



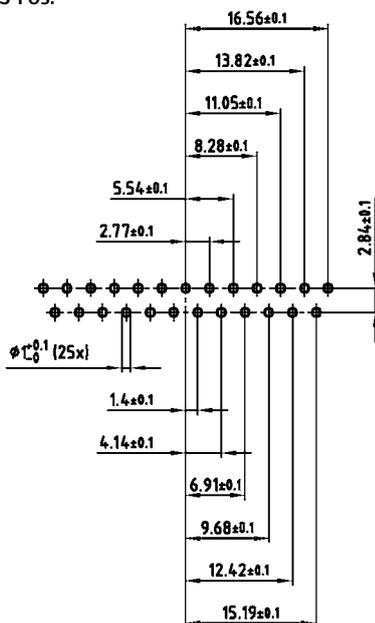
15 POS.



50 POS.



25 POS.

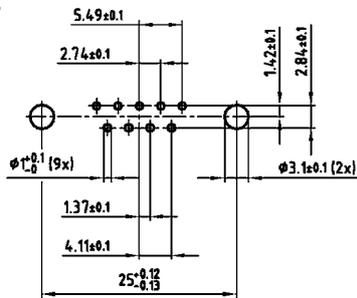


PCB layout Kat1 kFVA (View: component side)

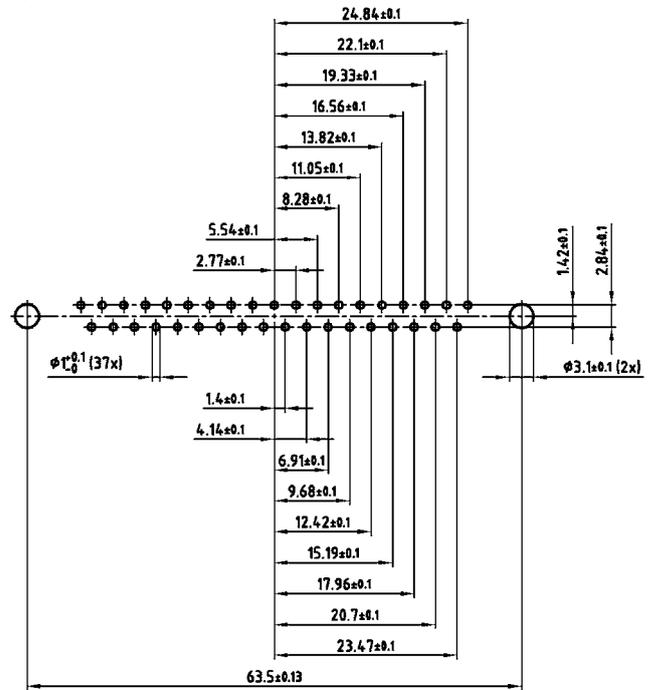
# PCB LAYOUT D-SUB STANDARD

Solder pin, straight – With rear spacer PCB clip – Plug connector

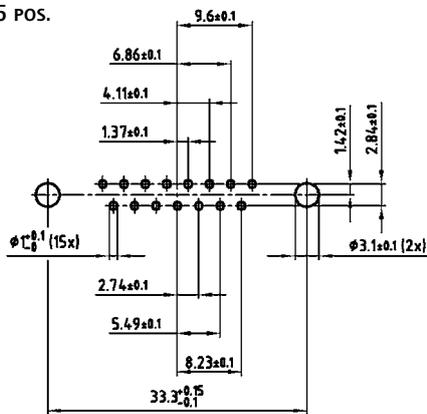
9 POS.



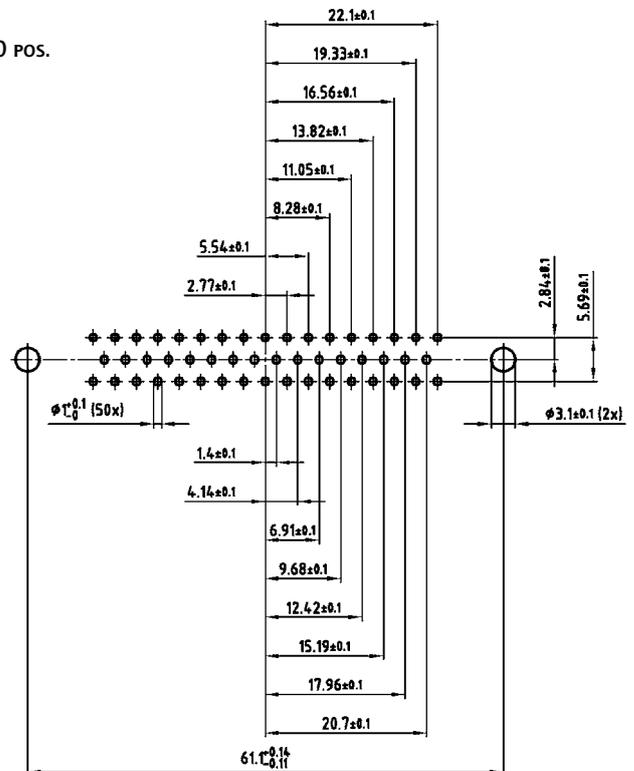
37 POS.



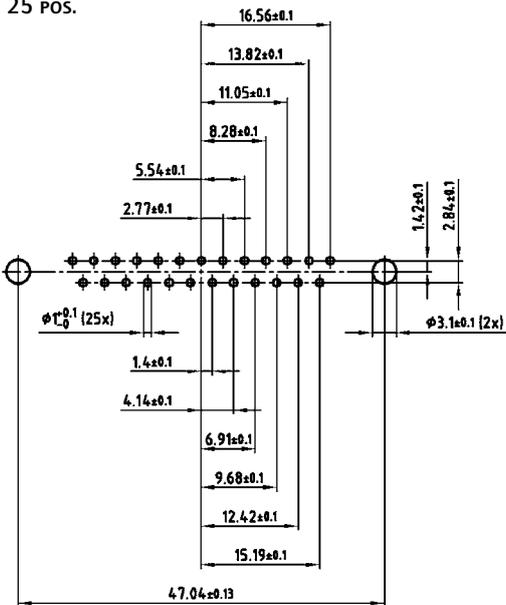
15 POS.



50 POS.



25 POS.

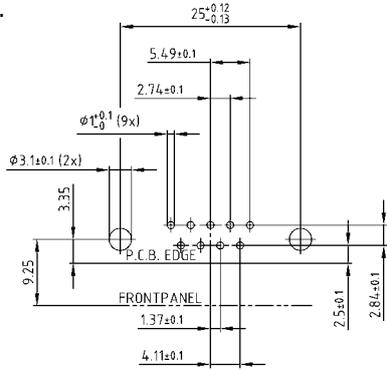


PCB layout Kat1kFUA (View: component side)

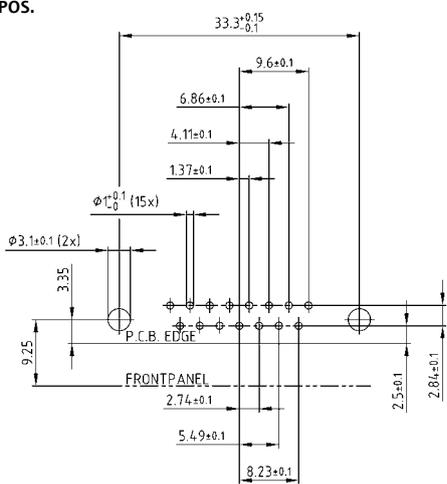
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled .189" / 4.8 mm – Plug connector

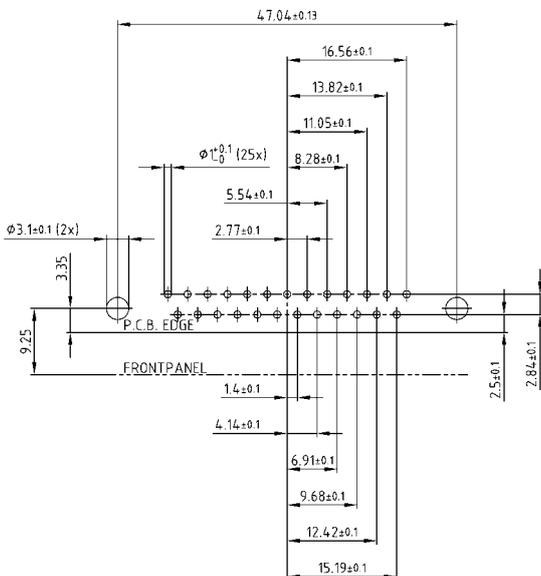
9 POS.



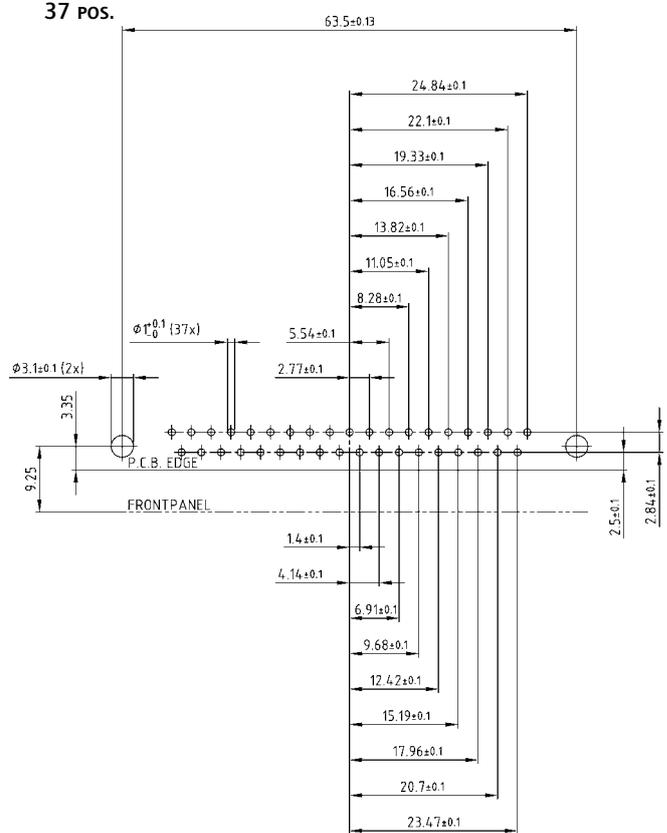
15 POS.



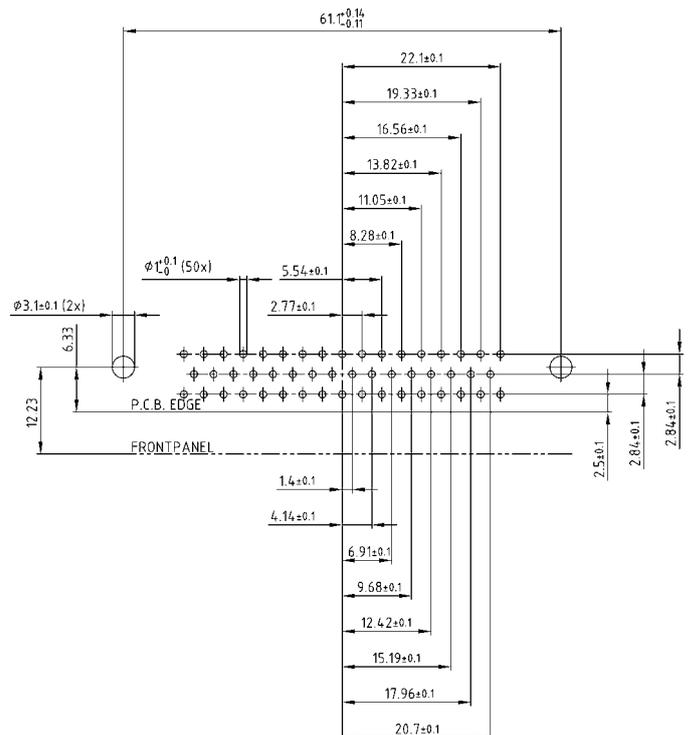
25 POS.



37 POS.



50 POS.

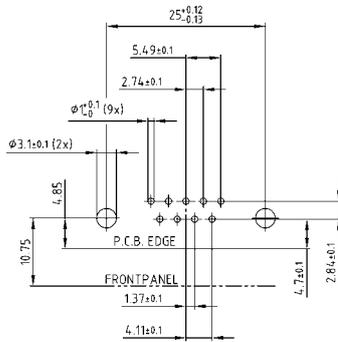


PCB layout Kat1kGSA (View: component side)

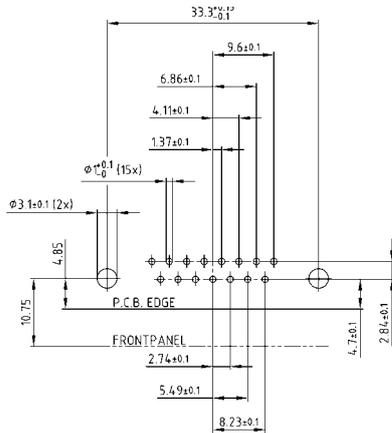
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled .276" / 7.0 mm – Plug connector

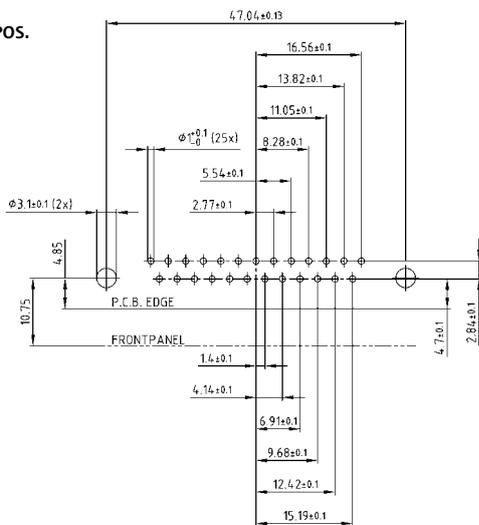
9 pos.



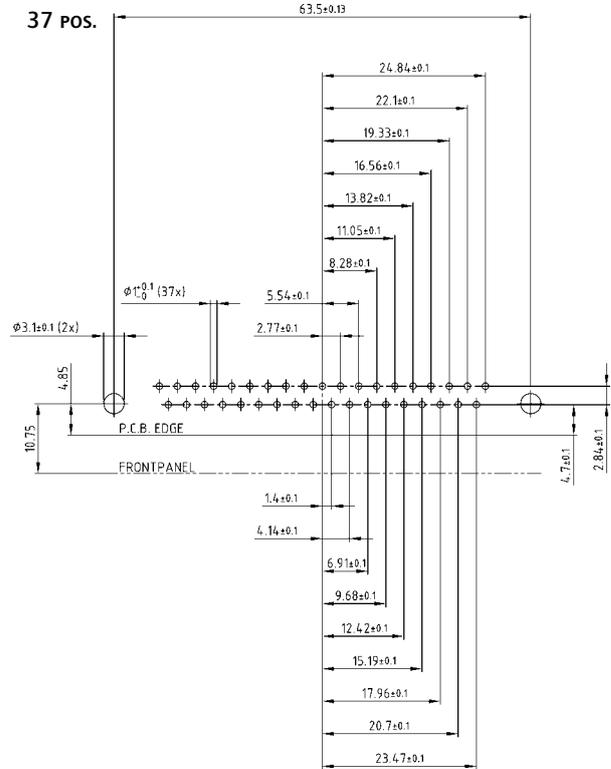
15 pos.



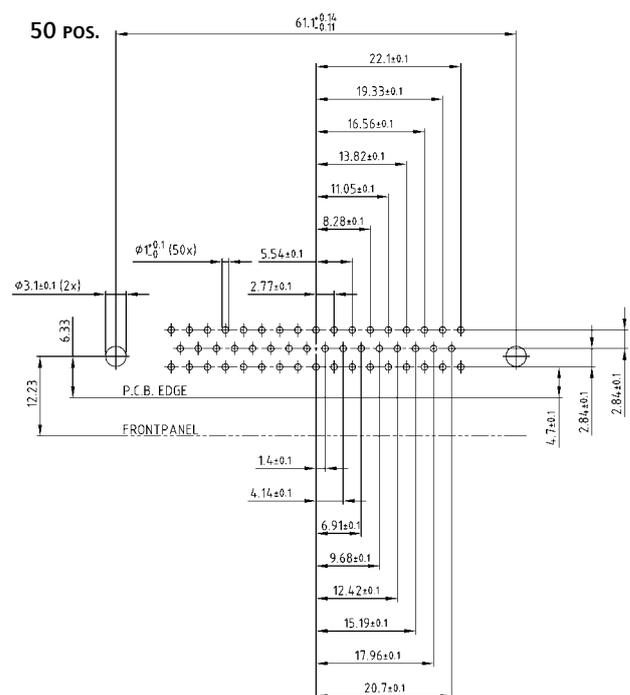
25 pos.



37 pos.



50 pos.

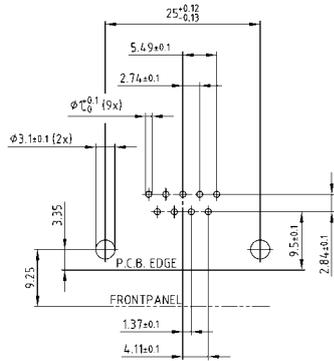


PCB layout Kat1 kGTA (View: component side)

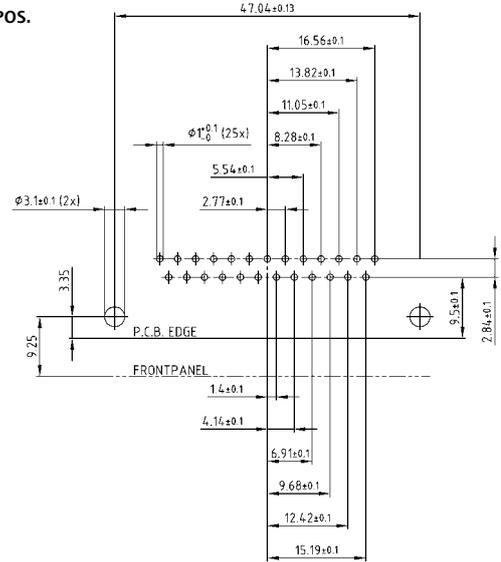
# PCB LAYOUT D-SUB STANDARD

Solder pin, angled, .464" / 11.8 mm – Plug connector

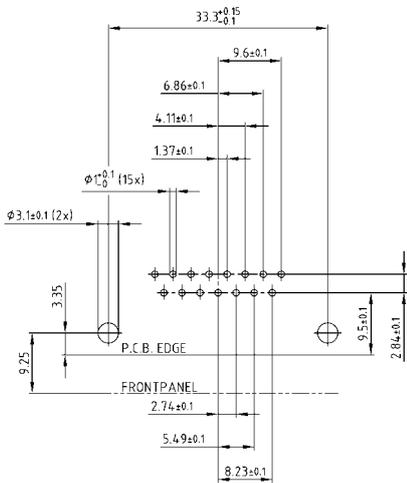
9 pos.



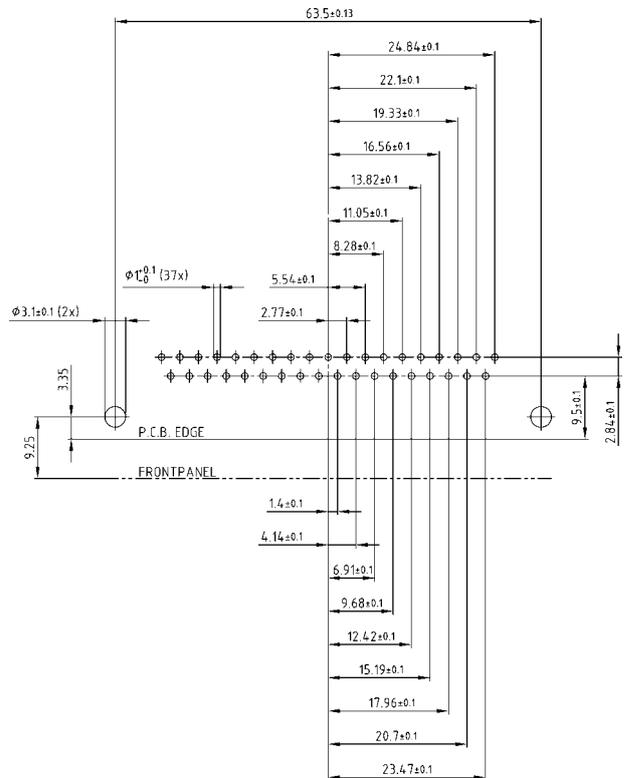
25 pos.



15 pos.



37 pos.

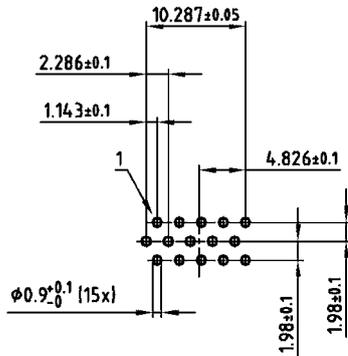


PCB layout Kat1 kGUA (View: component side)

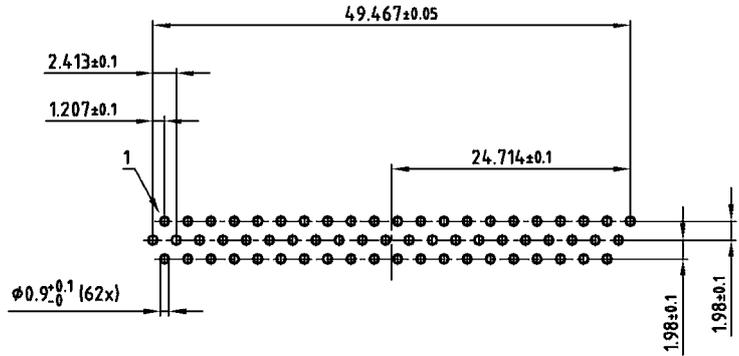
# PCB LAYOUT D-SUB HIGH DENSITY

Solder pin, straight – Without rear spacer PCB clip – Plug connector

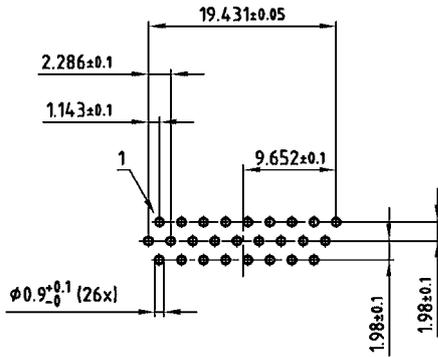
15 POS.



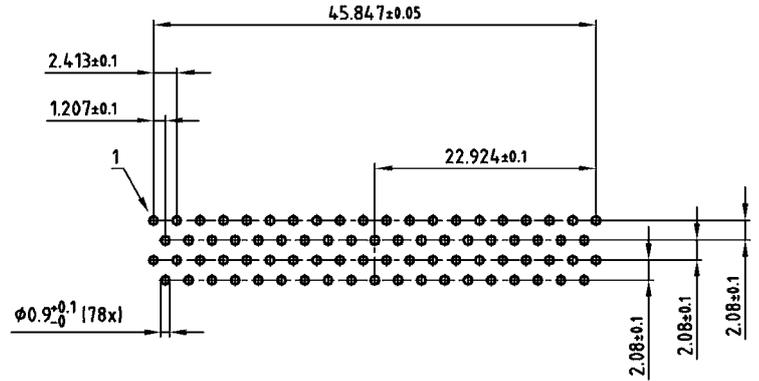
62 POS.



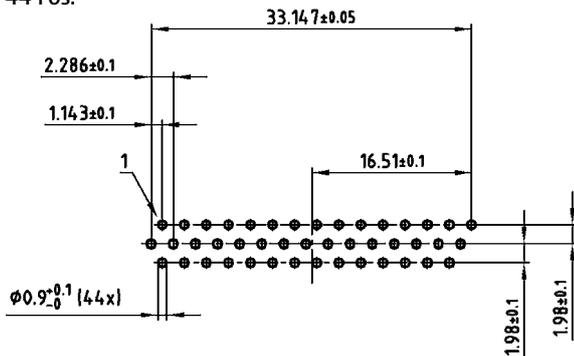
26 POS.



78 POS.



44 POS.

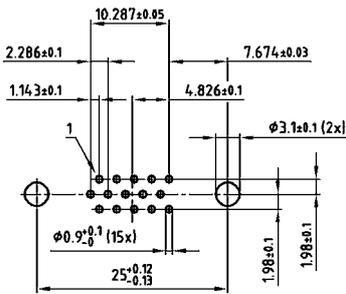


PCB layout Kat1 kFWA (View: component side)

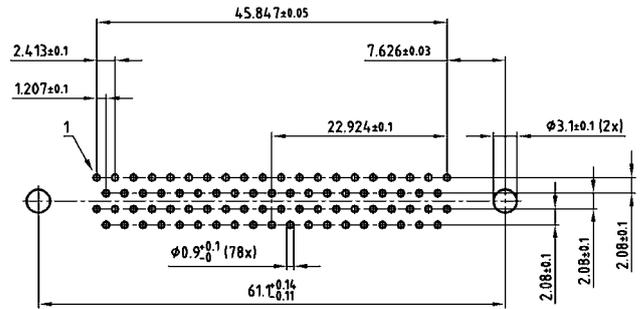
# PCB LAYOUT D-SUB HIGH DENSITY

Solder pin, straight – With rear spacer PCB clip – Plug connector

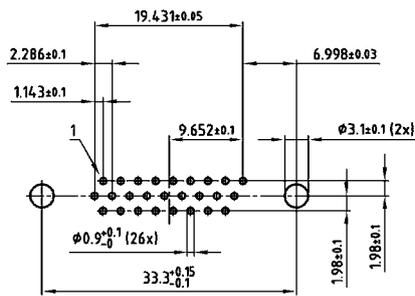
15 POS.



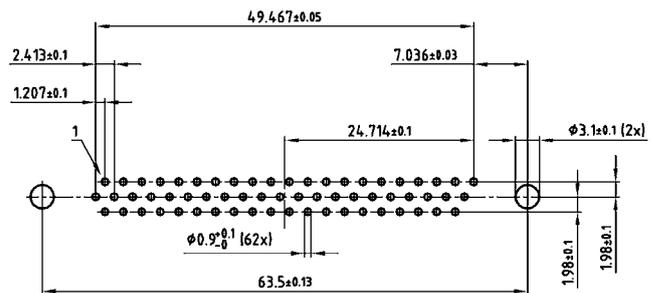
62 POS.



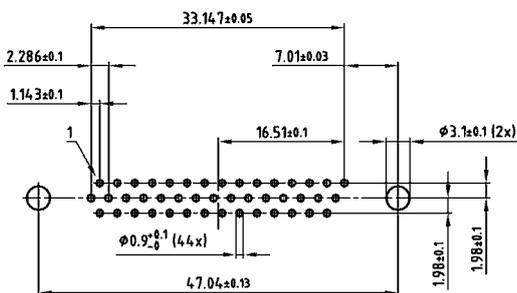
26 POS.



78 POS.



44 POS.



PCB layout Kat1iU0A (View: component side)

