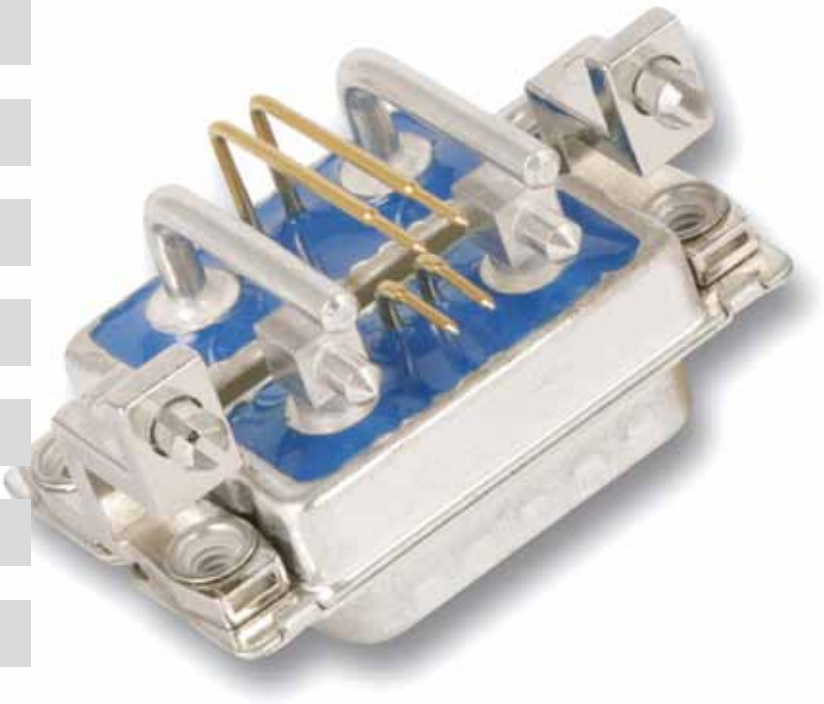
Section 3

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 PC board.

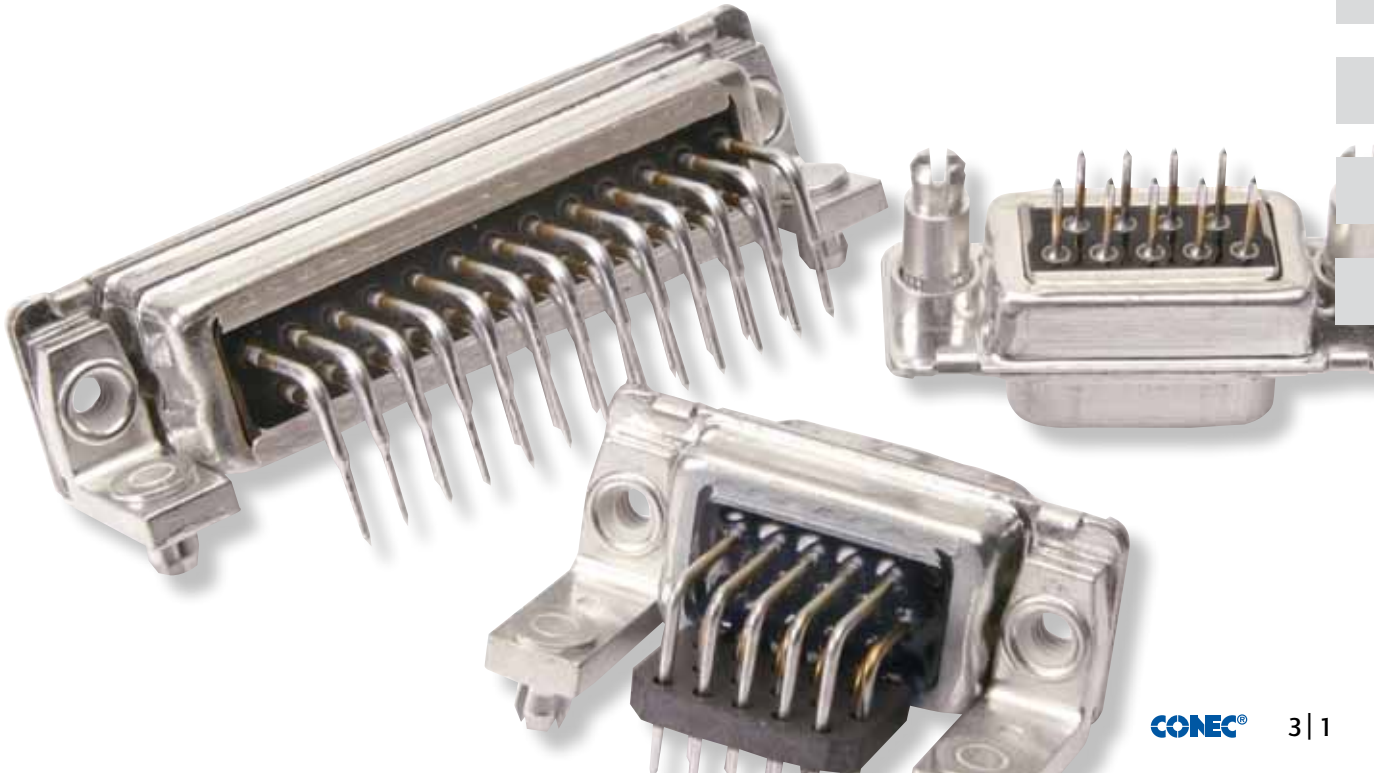
Interface connectors with integrated filters can be of benefit in these cases.

CONEC filter D-subminiature connectors contribute to the protection of EMC zones. The intergrated 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".

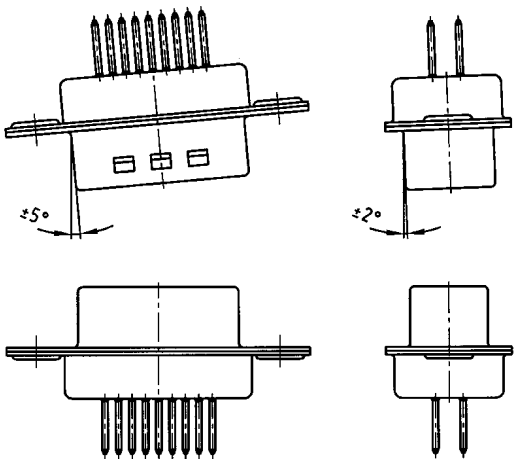
Depending on the problem situations, other possible variations can be employed; a two-stage LC filter and a three stage PI filter (C-L-C) are also available in various connector configurations within the standard product line.

CONEC filter connectors are an effective way to guard against electromagnetic interference (EMI RFI).

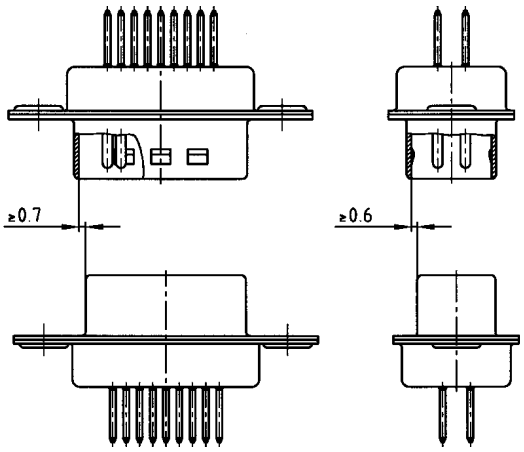


Mating conditions

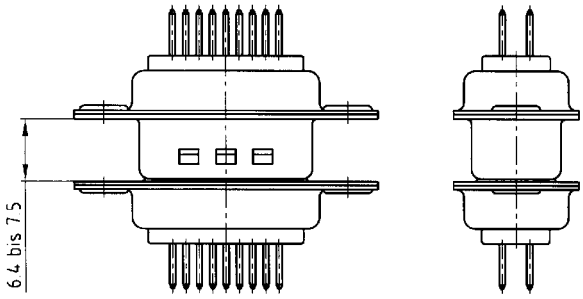
Float mount tolerance guide



Rigid mount tolerance guide

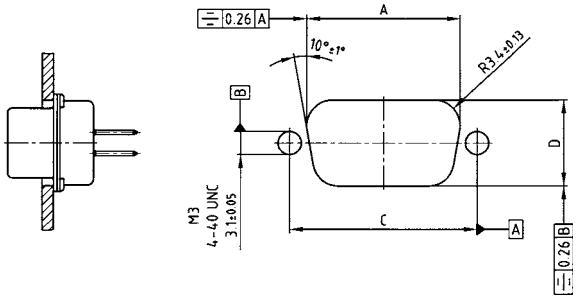


Rigid mount vertical to tolerance guide

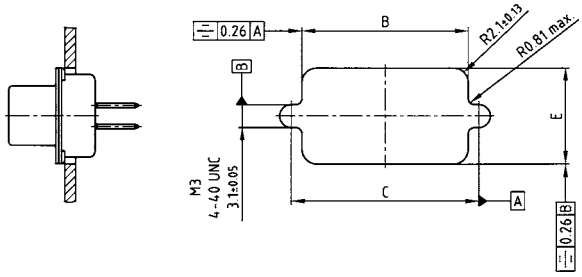


Panel cut-out

Rear panel mounting

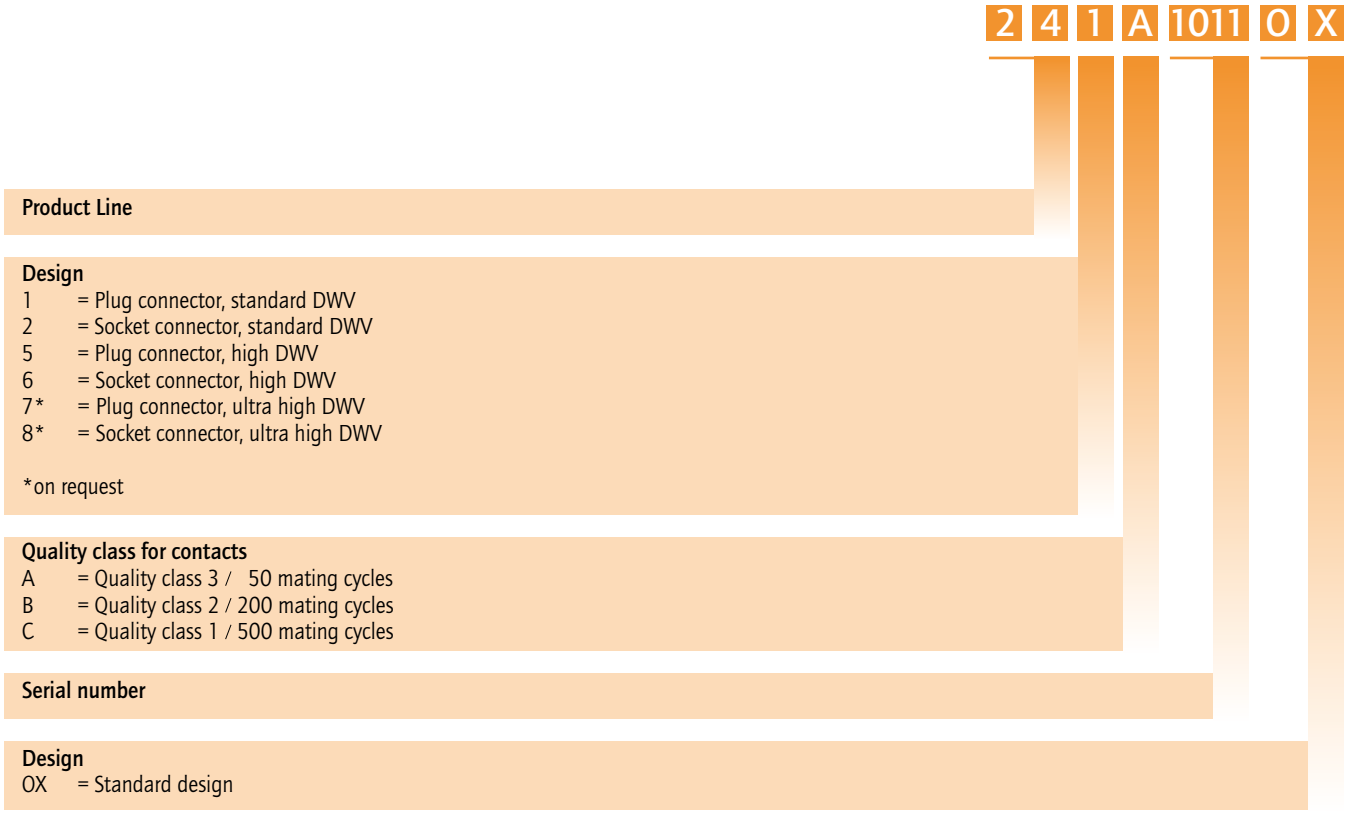


Front panel mounting



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

Part Number Creator



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 capacitiance values consult factury.

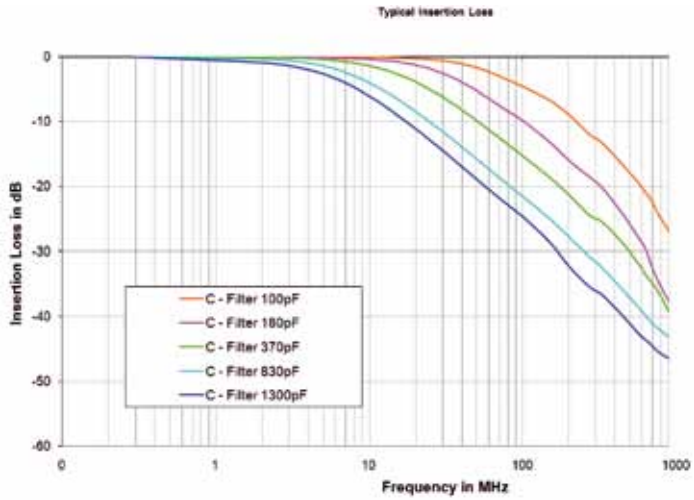
Technical Data

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	
Shell	Steel tin plated / brass tin plated	
Mechanical and electrical characteristics		
Dielectric with standing voltage	• Standard 424 VDC • Standard 300 VDC (for ⊓-Filter) • High DWV 707 VDC • Ultra high DWV 1500 VDC* • Ultra high DWV 1000 VDC* (for ⊓-Filter) *on request	• Standard 300 VDC
Working voltage	• Standard 100 VDC* • High DWV 100 VDC* • Ultra high DWV 200 VDC*	• Standard 100 VDC*
	*Depending on isolation coordination (refer to DIN VDE 0110/IEC 664-1)	
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 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles	

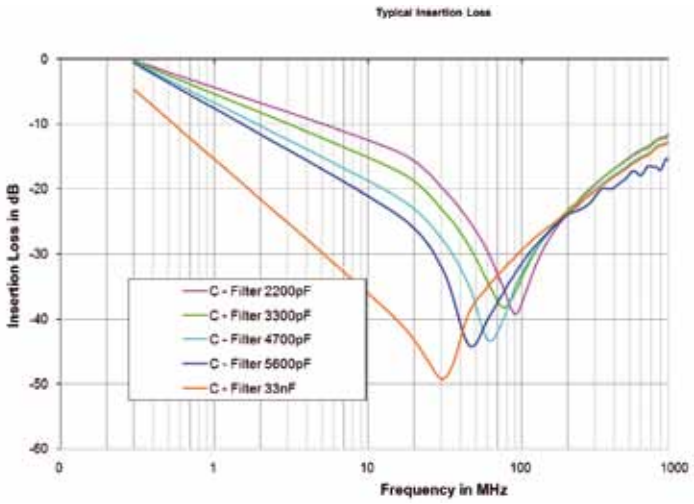
Technical alterations are subject to change without notice.

Insertion loss

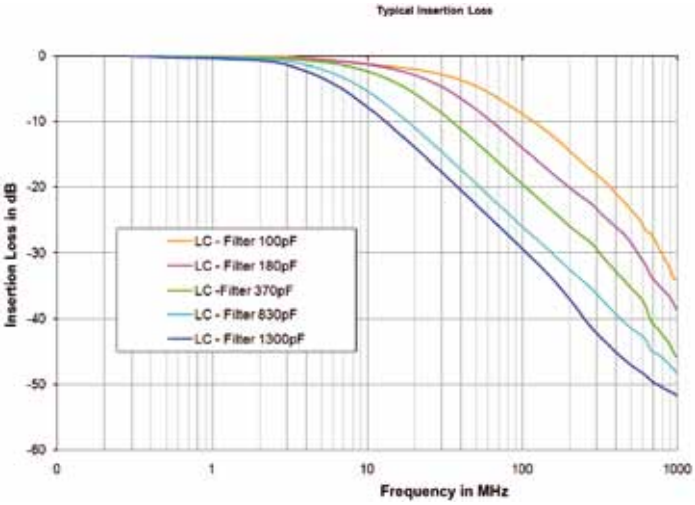
C-Filter with planar filter technology



C-Filter with chip technology

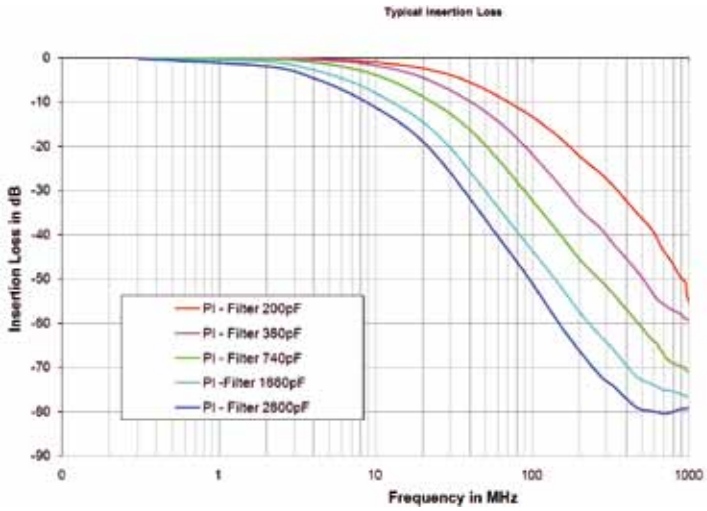


LC-Filter with planar filter technology



Insertion loss

π-Filter with planar filter technology



Solder Profile

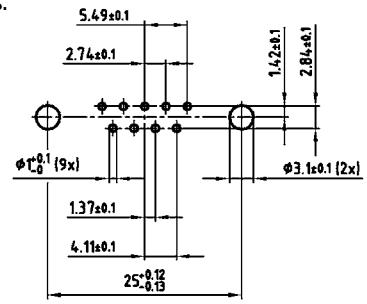
Connector Type	Preheating		Solder terminal dipping parameters	
	max. Temperature	Duration	max. Solder bath Temperature	max. Terminal Immersion Time
Filter D-SUB	100°C	30s	260°C	5s
Combo D-SUB Filter	120°C	120s	260°C	5s
Filter D-SUB Water Resistant	100°C	30s	240°C	5s
Combo D-SUB Water Resistant	120°C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

Recommended wave-solder parameters for CONEC connectors.

PCB LAYOUT, D-SUB STANDARD

Solder pin, straight – Plug and Socket connector

9 POS.



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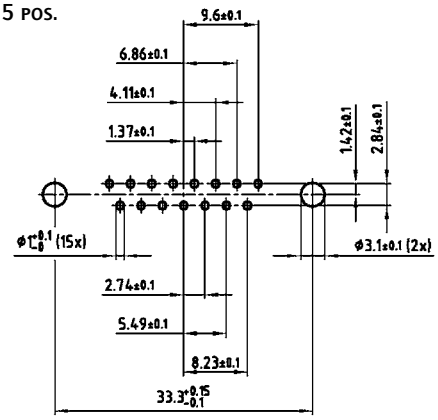

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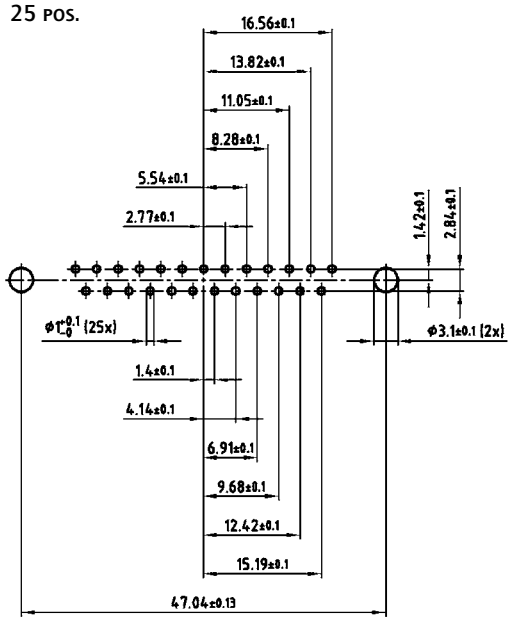

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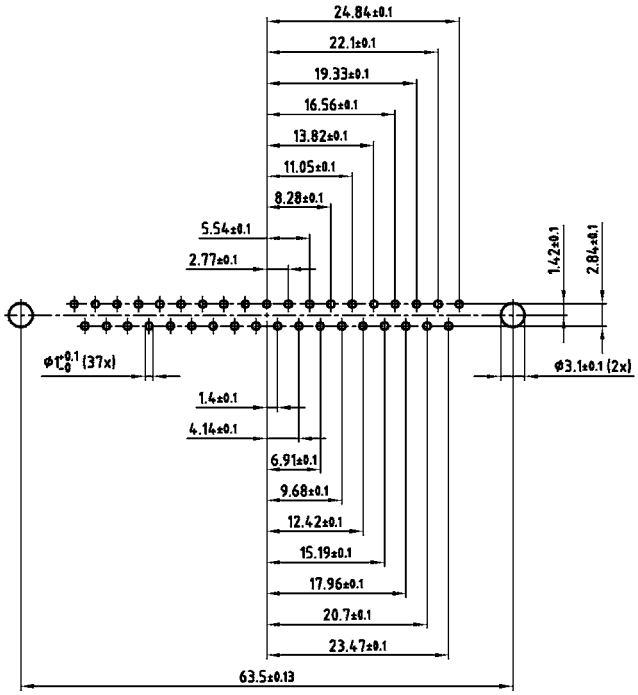

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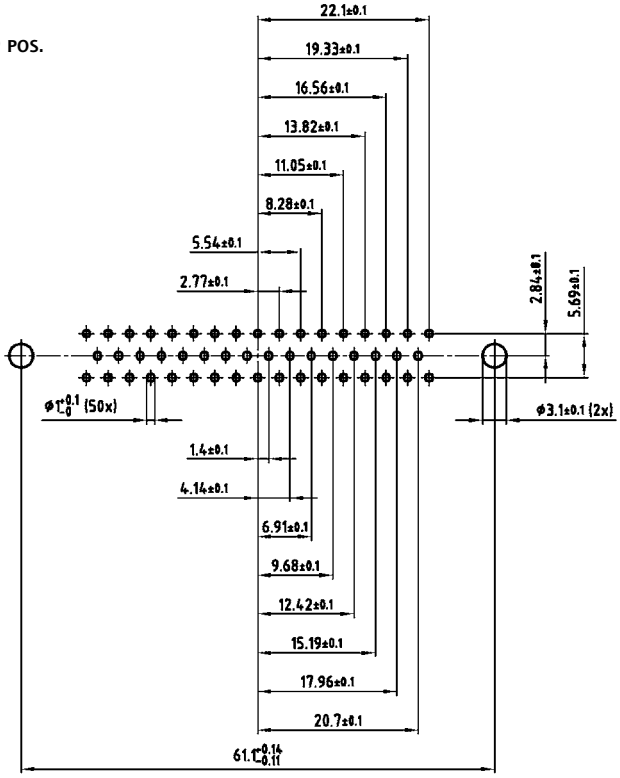
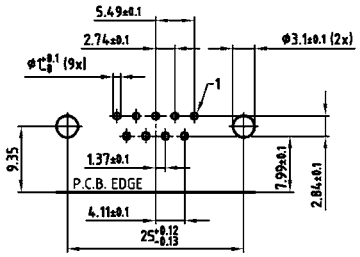


PCB layout Kat1kFUA (View: component side)

PCB layout, D-SUB Standard

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

9 pos.



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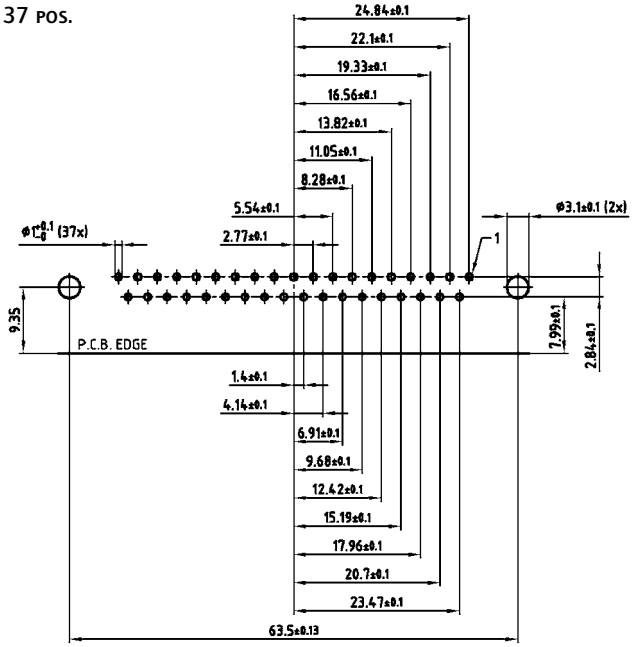

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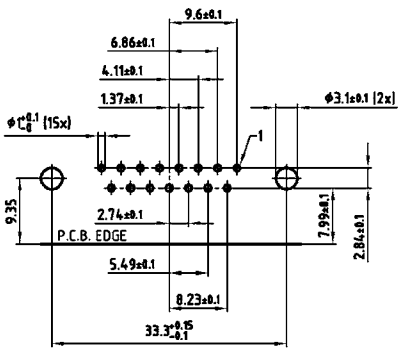

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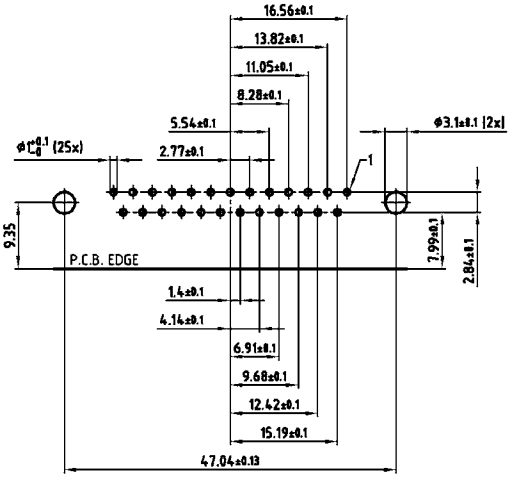

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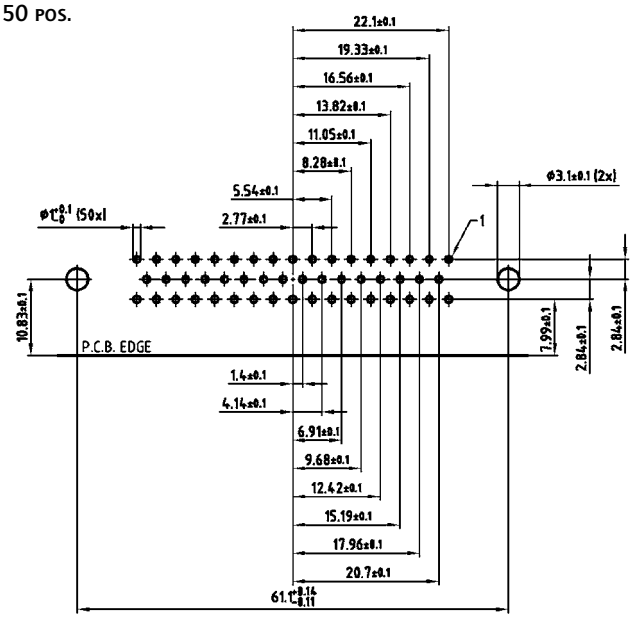
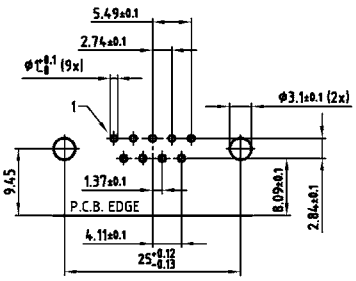


PCB layout Kat1kGEA (View: component side)

PCB layout, D-SUB Standard

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

9 pos.



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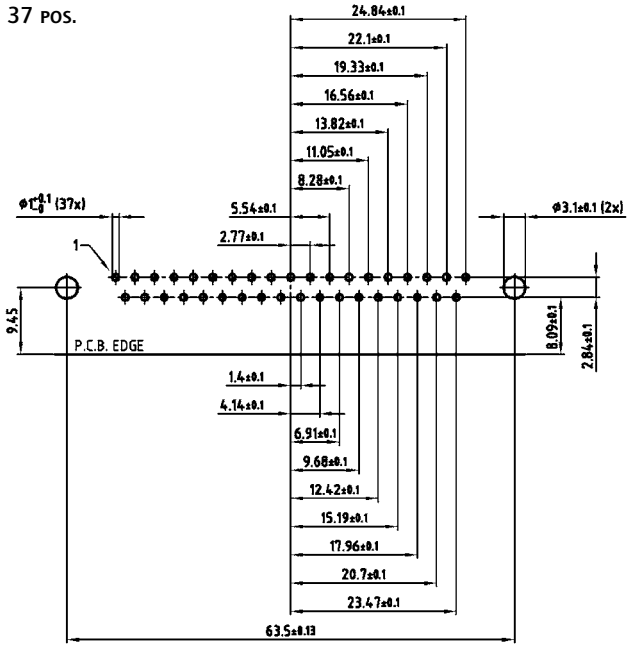

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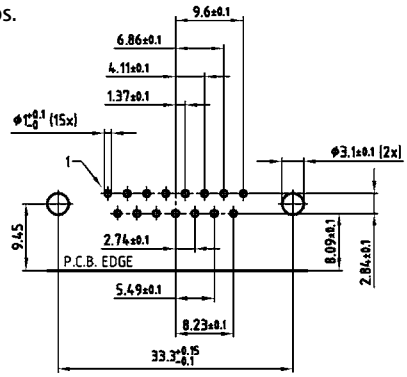

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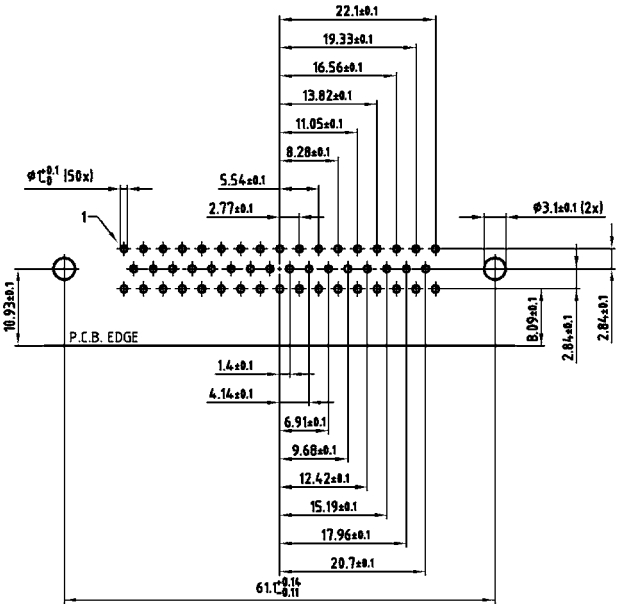

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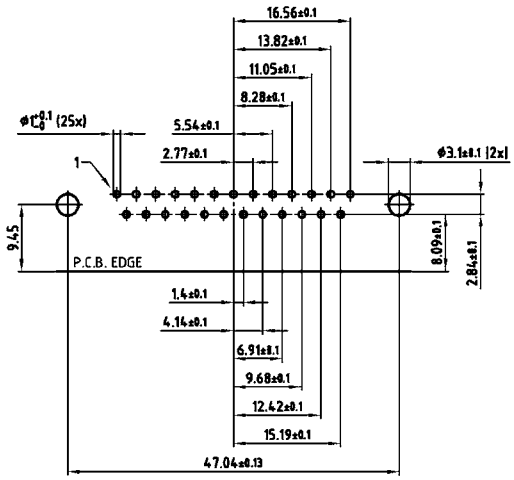
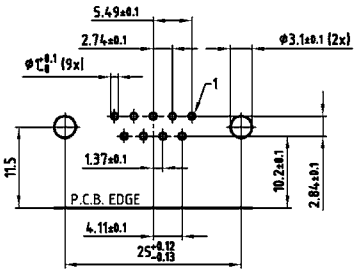


PCB layout Kat1kGFA (View: component side)

PCB layout, D-SUB Standard

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

9 pos.



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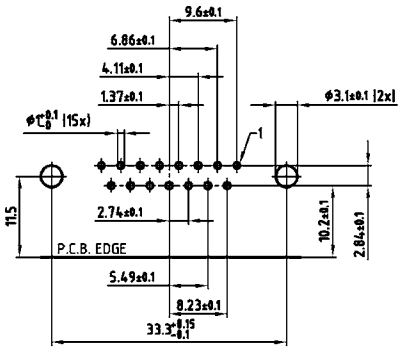

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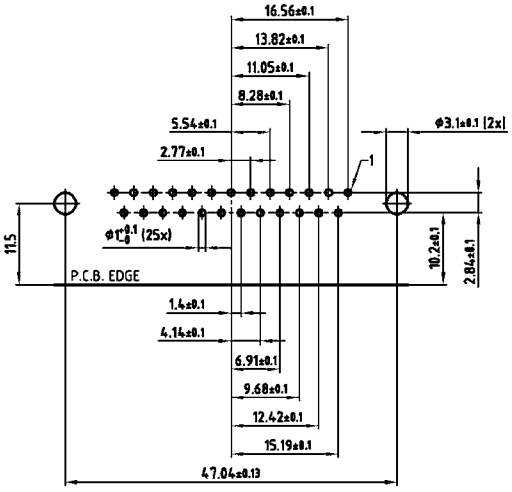

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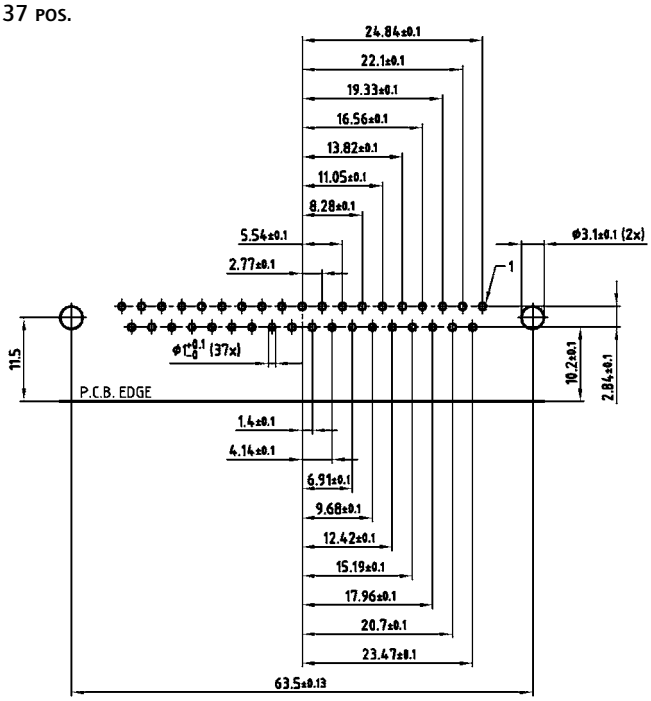

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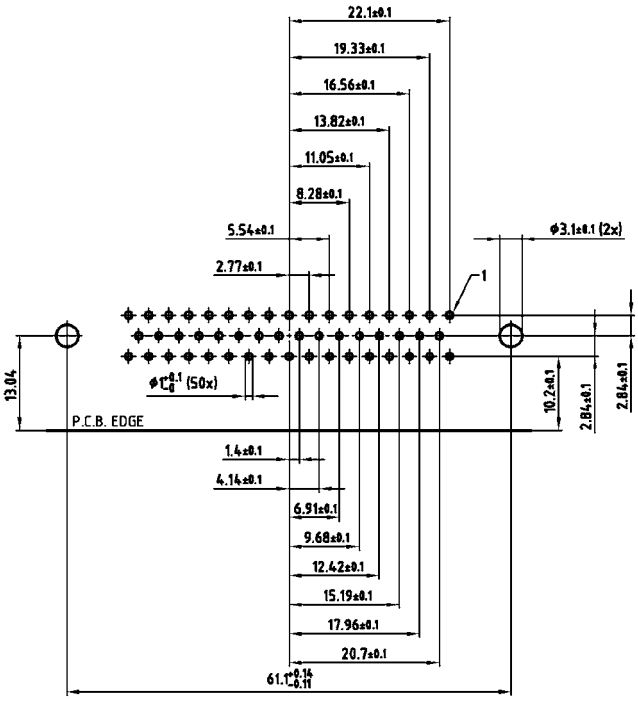
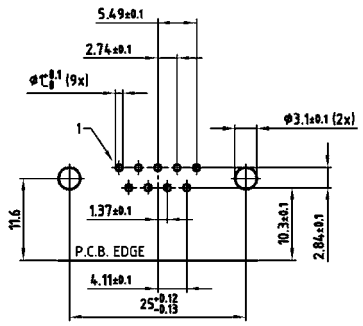


PCB layout Kat1kGGA (View: component side)

PCB LAYOUT, D-SUB STANDARD

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

9 POS.



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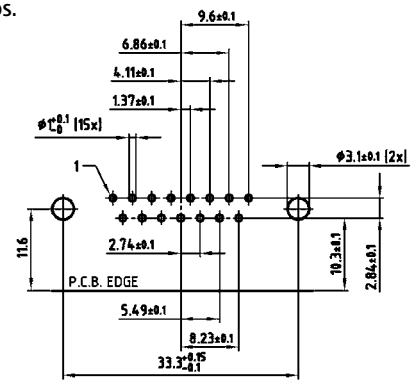

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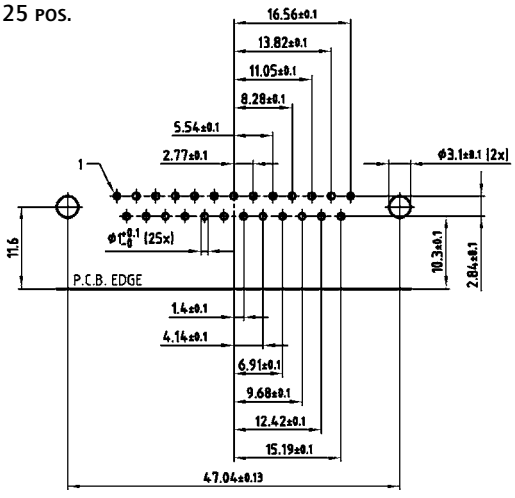

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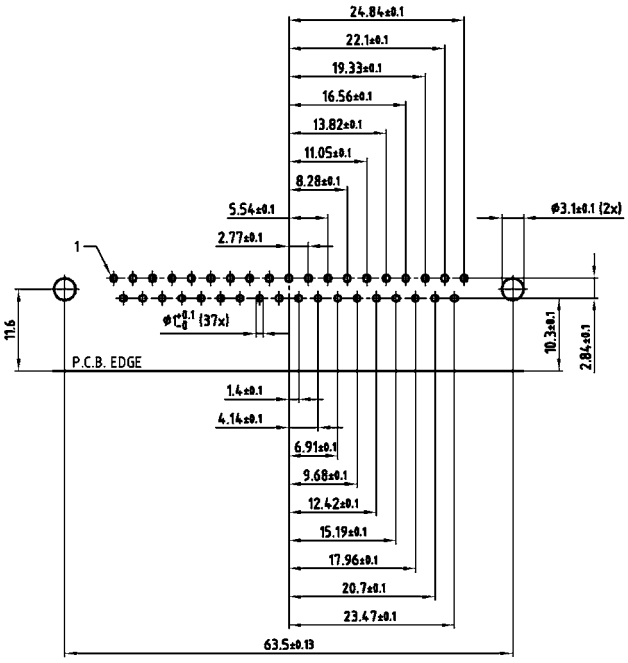

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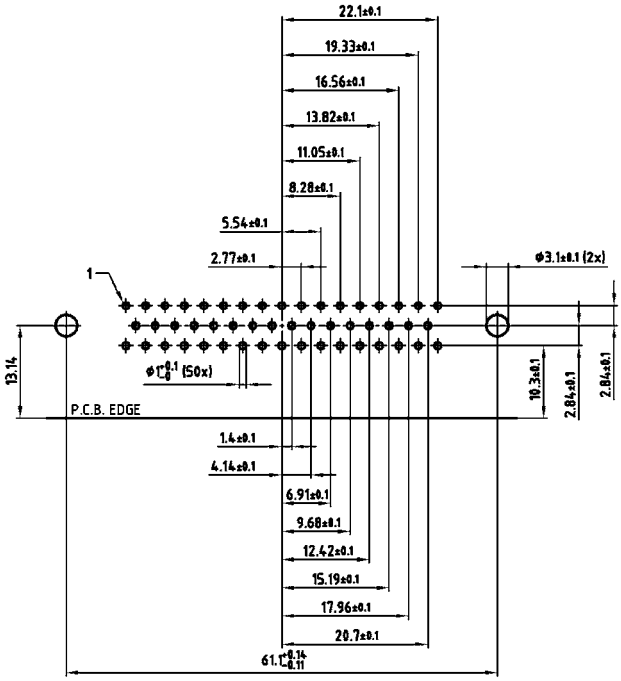
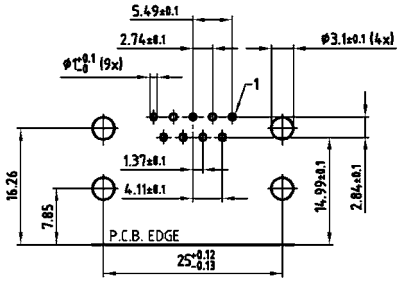


PCB layout Kat1kGHA (View: component side)

PCB layout, D-SUB Standard

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

9 pos.



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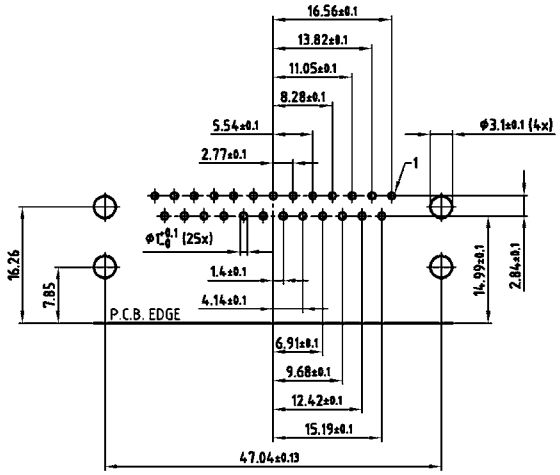

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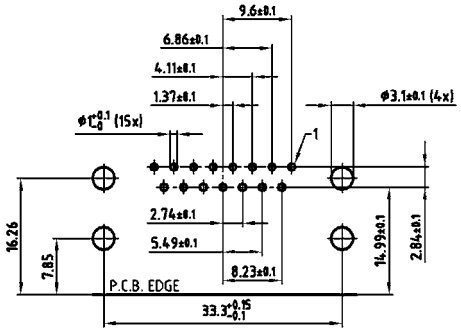

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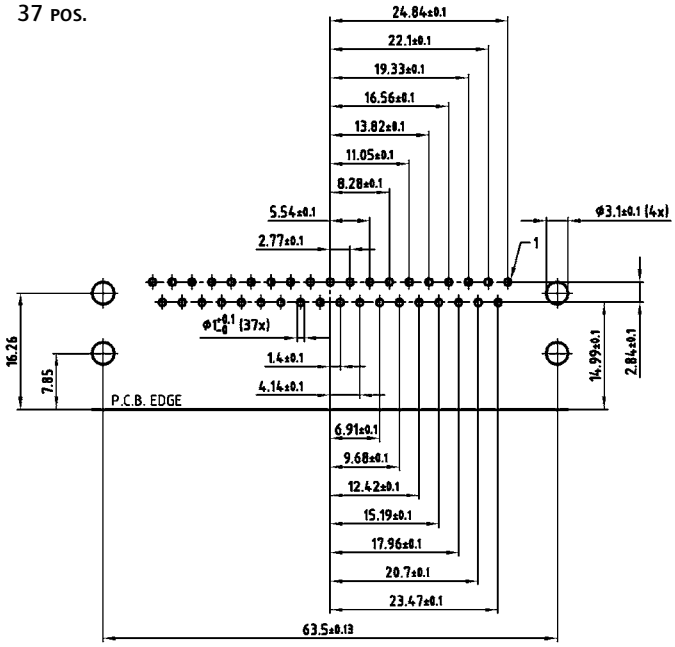
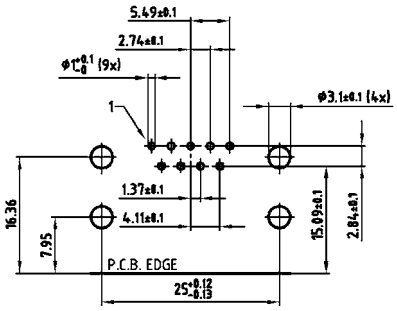


PCB layout Kat1kGIA (View: component side)

PCB layout, D-SUB Standard

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

9 pos.



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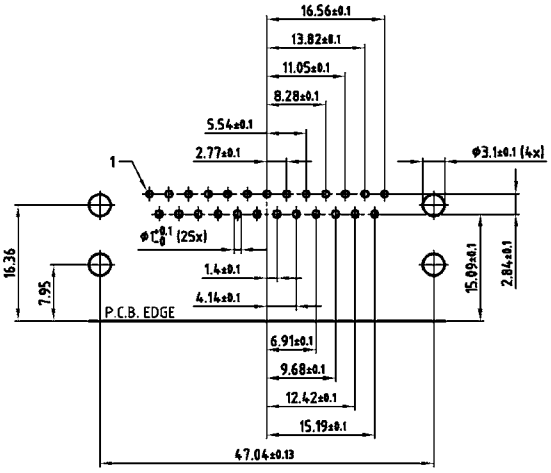

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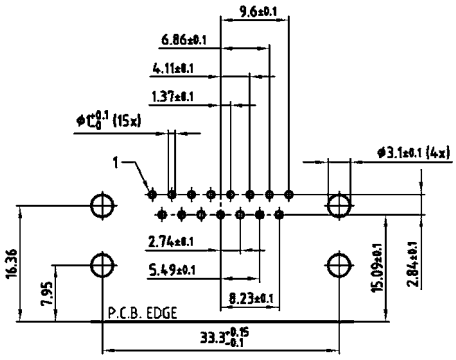
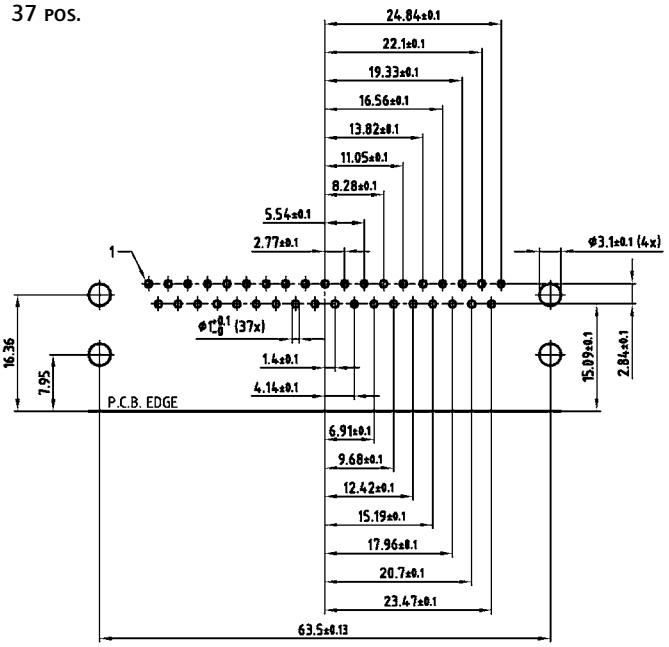


37 pos.

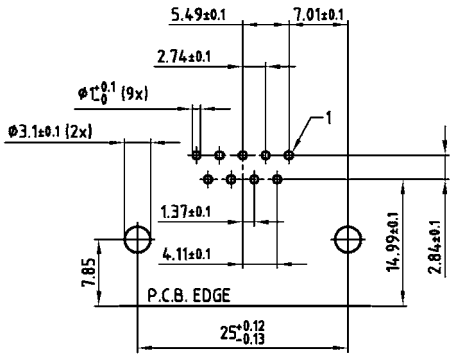


PCB layout Kat1kGJA (View: component side)

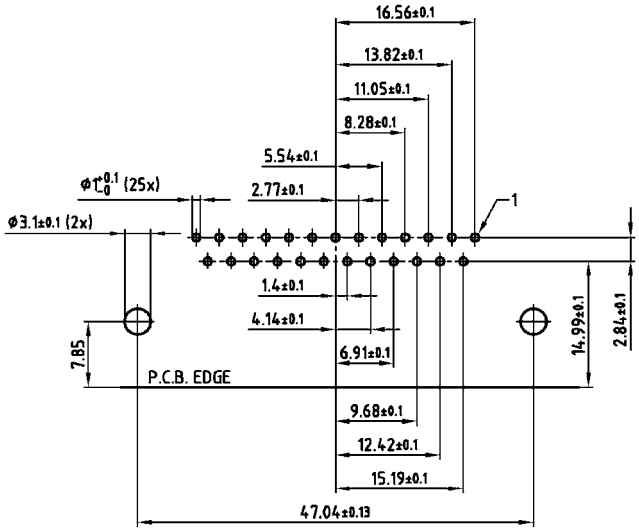
PCB layout, D-SUB Standard

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

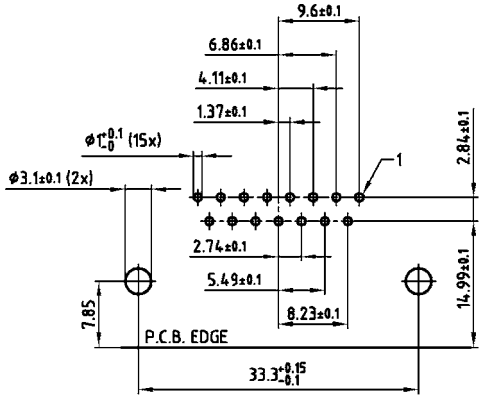
9 pos.



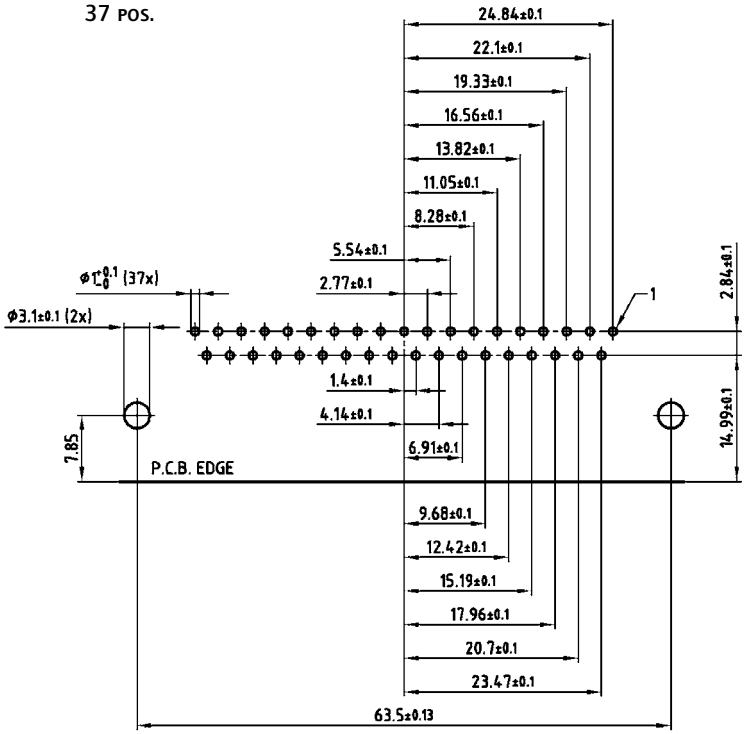
25 pos.



15 pos.



37 pos.

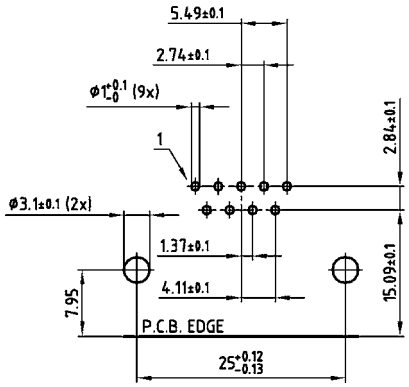


PCB layout Kat1kGXA (View: component side)

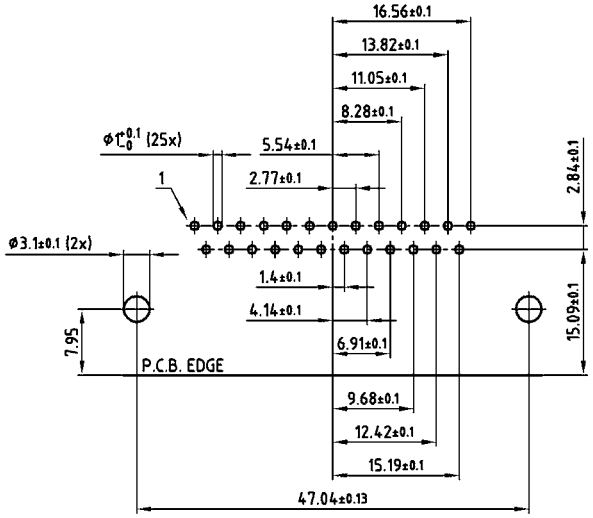
PCB layout, D-SUB Standard

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

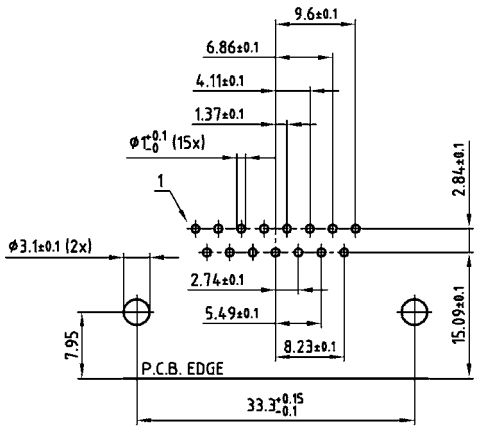
9 pos.



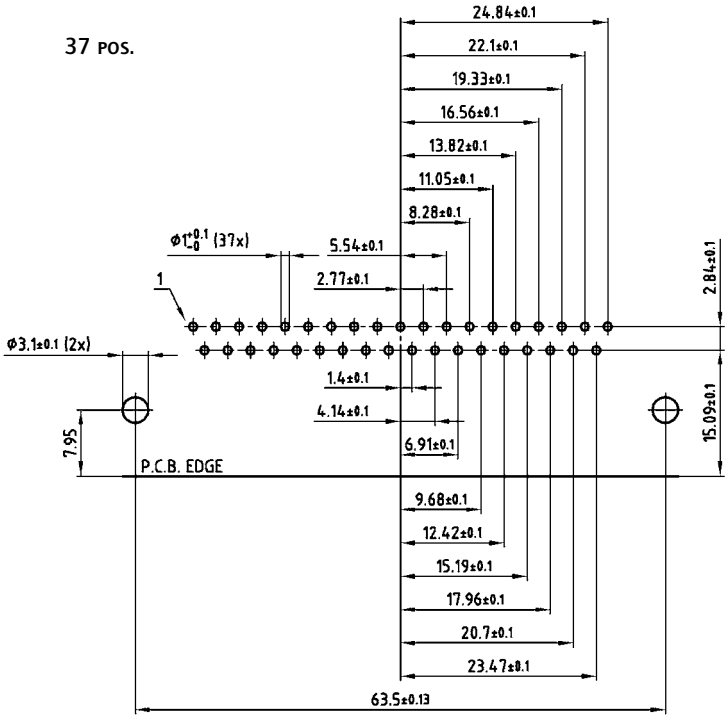
25 pos.



15 pos.



37 pos.

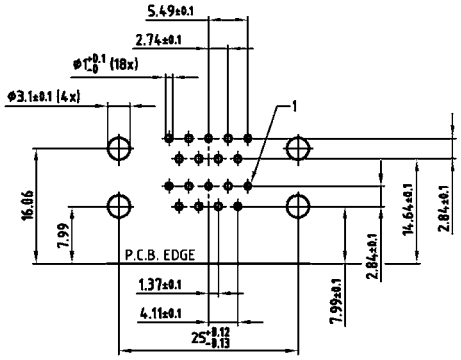


PCB layout Kat1kGYA (View: component side)

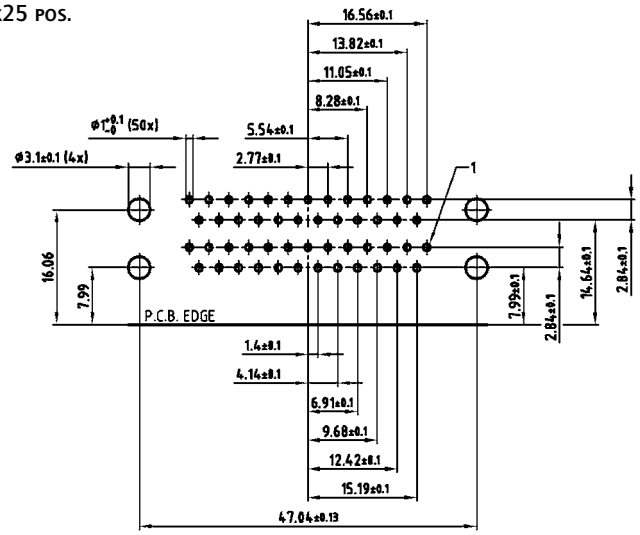
PCB layout, D-SUB Standard

Dual port style – Socket connector bottom

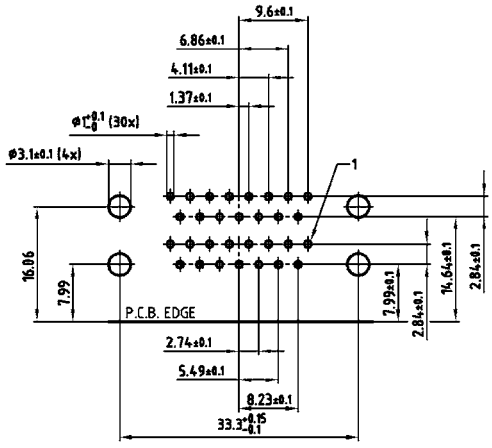
2x9 pos.



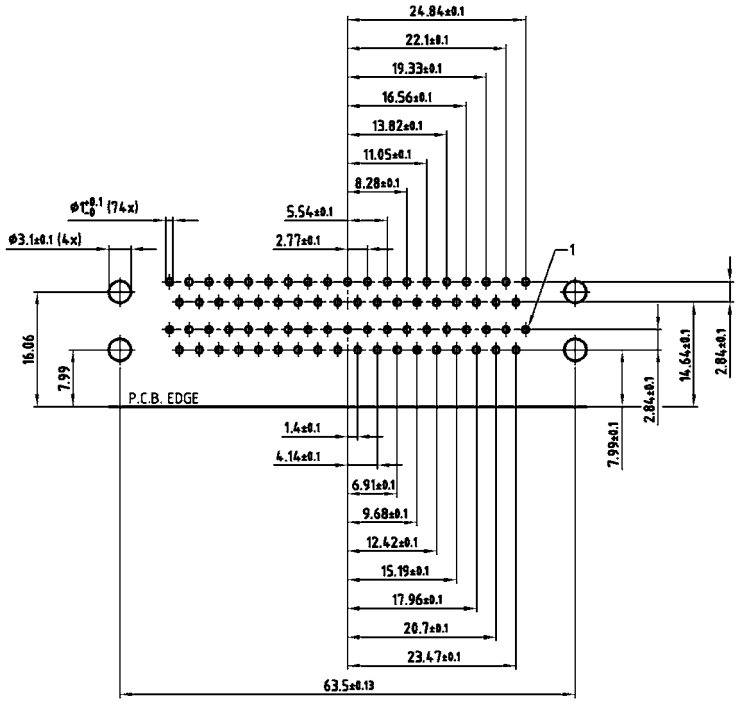
2x25 pos.



2x15 pos.



2x37 pos.

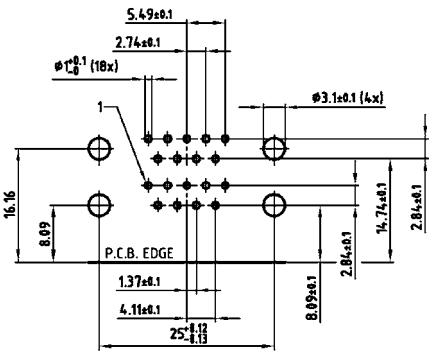


PCB layout Kat1iU6A (View: component side)

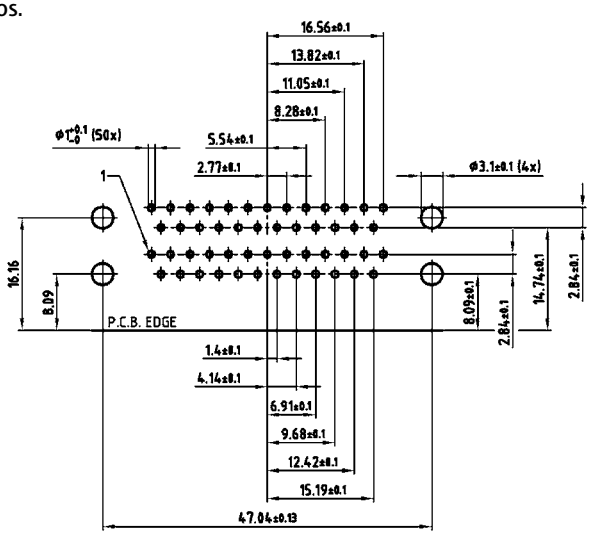
PCB layout, D-SUB Standard

Dual port style – Plug connector bottom

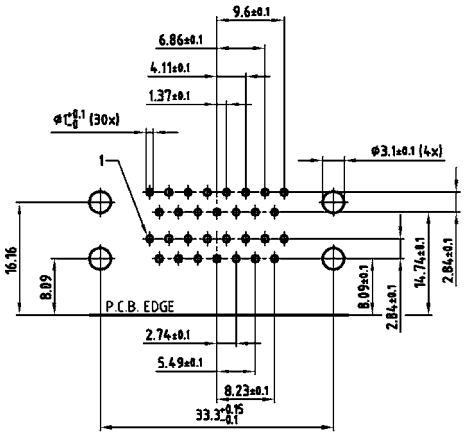
2x9 pos.



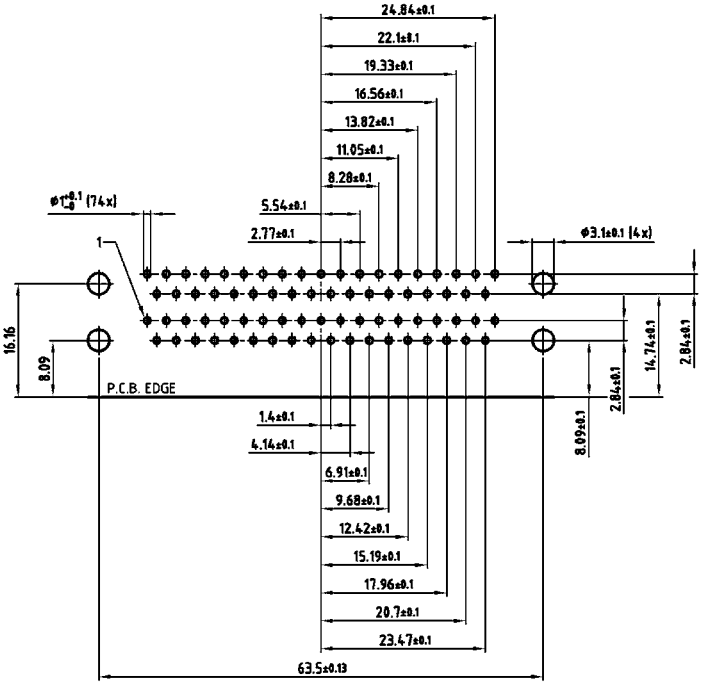
2x25 pos.



2x15 pos.



2x37 pos.

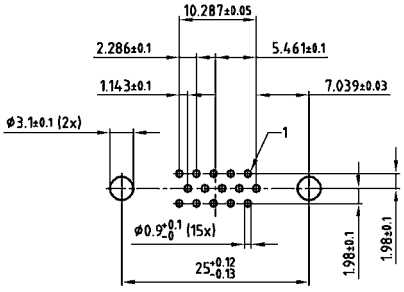


PCB layout Kat1iU5A (View: component side)

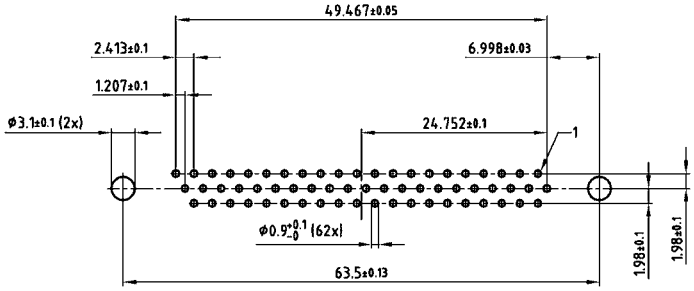
PCB layout, D-SUB High Density

Solder pin, straight – Socket connector

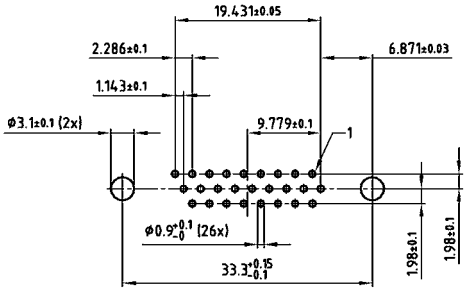
15 pos.



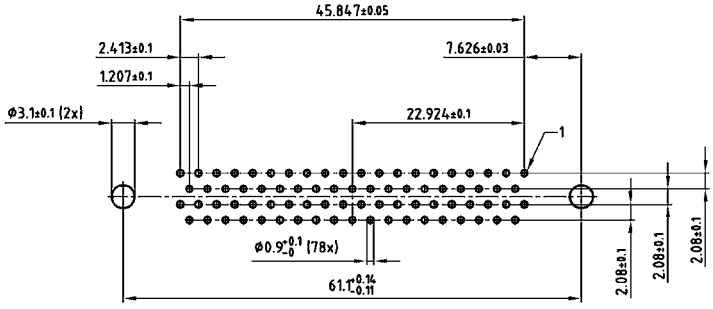
62 pos.



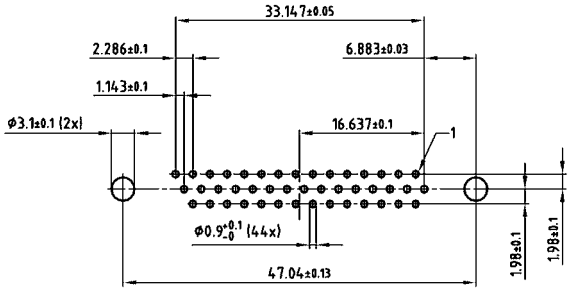
26 pos.



78 pos.



44 pos.

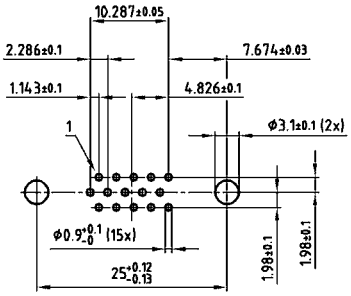


PCB layout Kat1iT9A (View: component side)

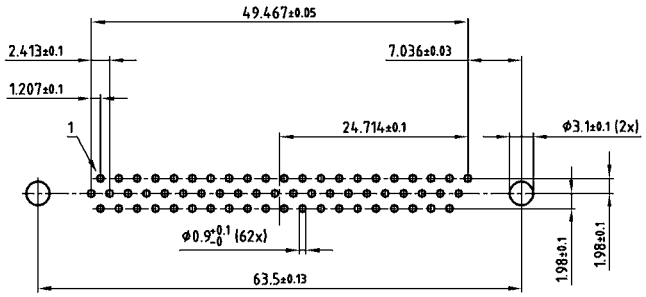
PCB layout, D-SUB High Density

Solder pin, straight – Plug connector

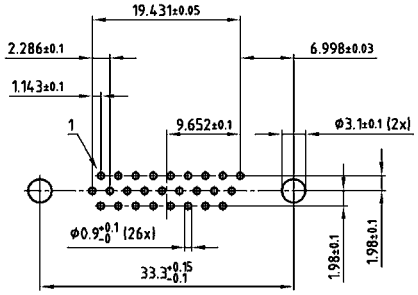
15 pos.



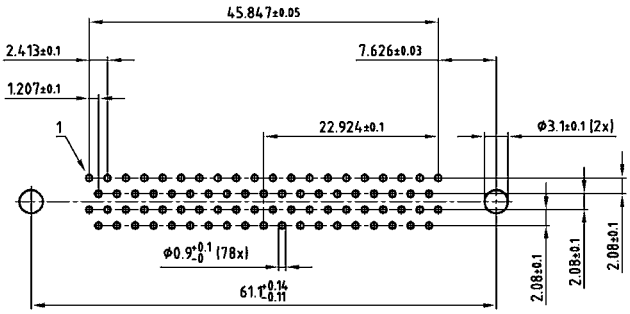
62 pos.



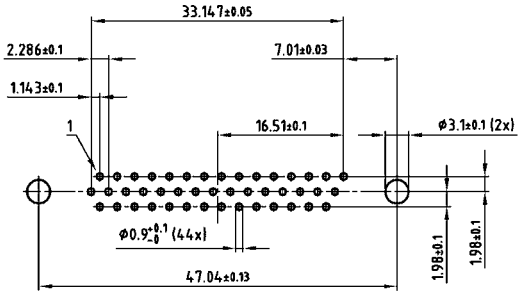
26 pos.



78 pos.



44 pos.

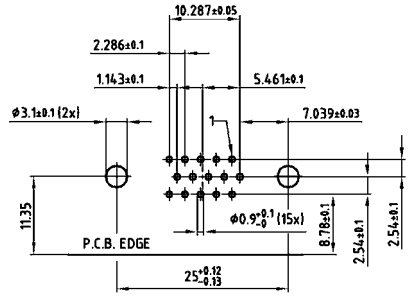


PCB layout Kat1iU0A (View: component side)

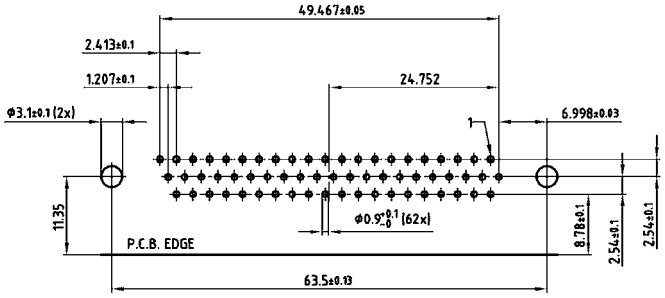
PCB layout, D-SUB High Density

Solder pin, angled .350" / 7.98 mm – Socket connector

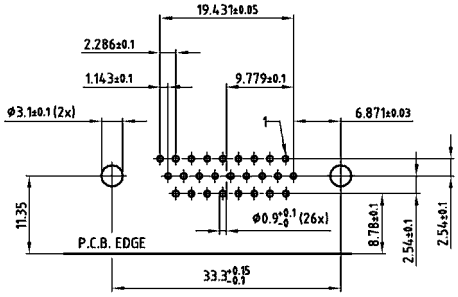
15 pos.



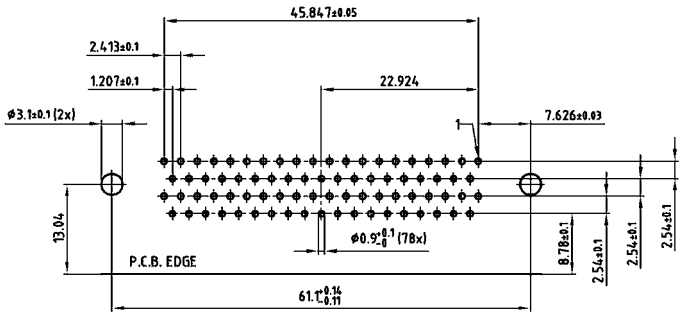
62 pos.



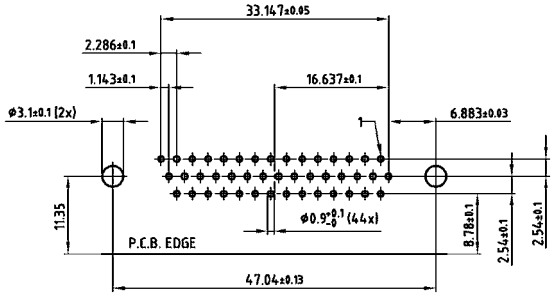
26 pos.



78 pos.



44 pos.

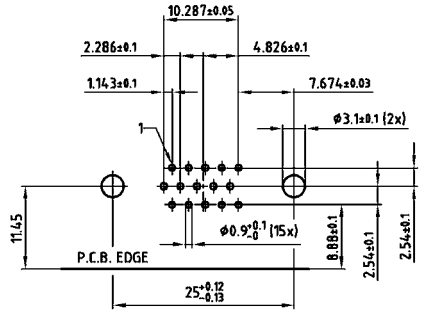


PCB layout Kat1iU1A (View: component side)

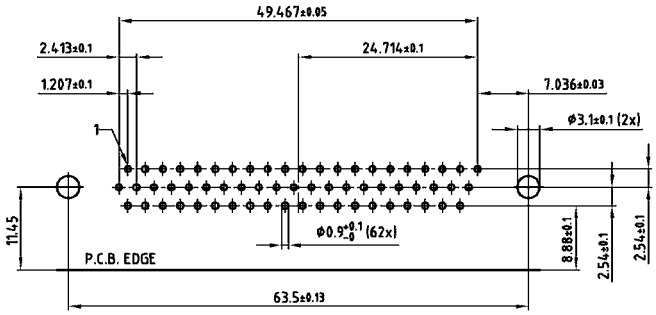
PCB layout, D-SUB High Density

Solder pin, angled .350" / 7.98 mm – Plug connector

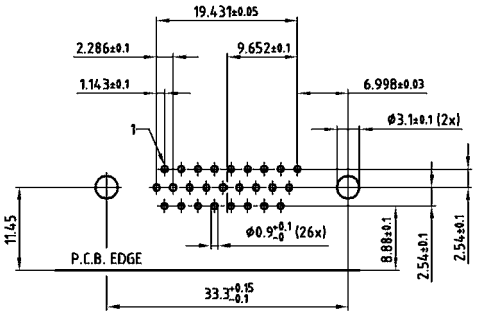
15 pos.



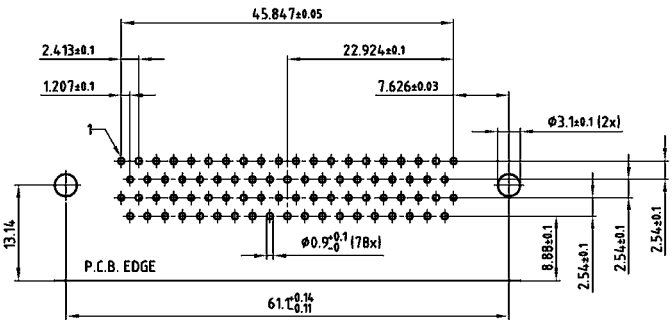
62 pos.



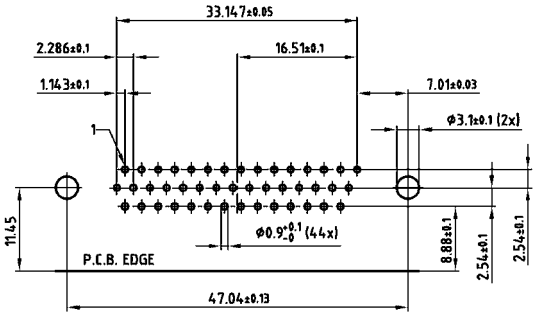
26 pos.



78 pos.



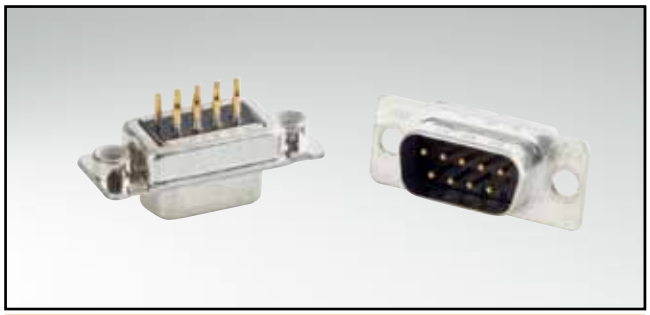
44 pos.



PCB layout Kat1iU2A (View: component side)

C-FILTER D-SUB STANDARD

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

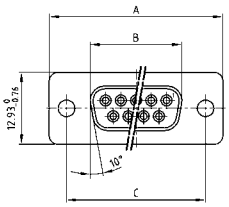


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

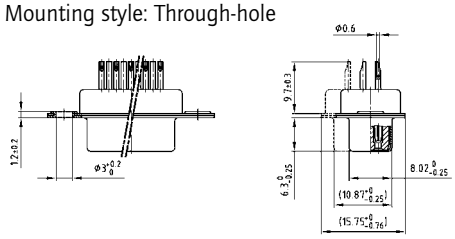
- Suitable for wire size AWG 26
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

SOCKET CONNECTOR

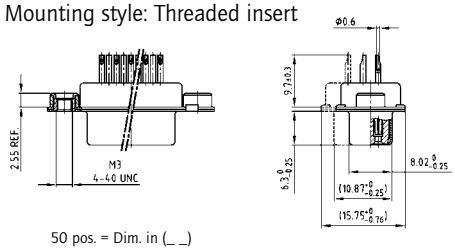


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 -0.11

Mounting style: Through-hole

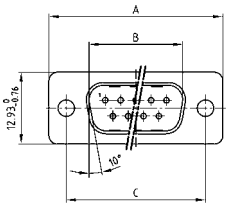


Mounting style: Threaded insert



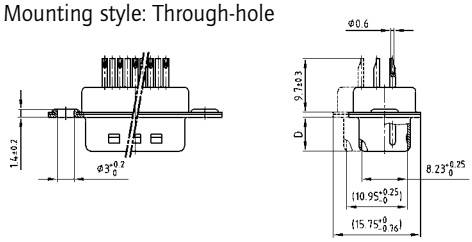
50 pos. = Dim. in (_ _)

PLUG CONNECTOR

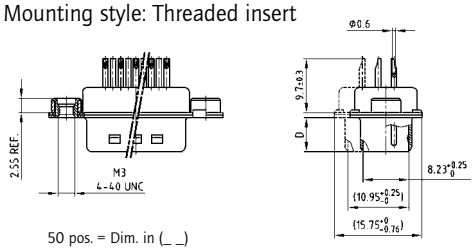


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 -0.11	5.99

Mounting style: Through-hole



Mounting style: Threaded insert



50 pos. = Dim. in (_ _)

ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 15910 X
15	Through-hole	242 A 15920 X
25	Through-hole	242 A 15930 X
37	Through-hole	242 A 15940 X
50	Through-hole	242 A 15950 X
09	4-40 UNC Threaded insert	242 A 15960 X
15	4-40 UNC Threaded insert	242 A 15970 X
25	4-40 UNC Threaded insert	242 A 15980 X
37	4-40 UNC Threaded insert	242 A 15990 X
50	4-40 UNC Threaded insert	242 A 16000 X
09	M3 Threaded insert	242 A 16010 X
15	M3 Threaded insert	242 A 16020 X
25	M3 Threaded insert	242 A 16030 X
37	M3 Threaded insert	242 A 16040 X
50	M3 Threaded insert	242 A 16050 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 18530 X
15	Through-hole	241 A 18540 X
25	Through-hole	241 A 18550 X
37	Through-hole	241 A 18560 X
50	Through-hole	241 A 18570 X
09	4-40 UNC Threaded insert	241 A 18580 X
15	4-40 UNC Threaded insert	241 A 18590 X
25	4-40 UNC Threaded insert	241 A 18600 X
37	4-40 UNC Threaded insert	241 A 18610 X
50	4-40 UNC Threaded insert	241 A 18620 X
09	M3 Threaded insert	241 A 18630 X
15	M3 Threaded insert	241 A 18640 X
25	M3 Threaded insert	241 A 18650 X
37	M3 Threaded insert	241 A 18660 X
50	M3 Threaded insert	241 A 18670 X

C-Filter D-SUB Standard

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

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 11610 X
15	Through-hole	242 A 11620 X
25	Through-hole	242 A 11630 X
37	Through-hole	242 A 11640 X
50	Through-hole	242 A 15820 X
09	4-40 UNC Threaded insert	242 A 11730 X
15	4-40 UNC Threaded insert	242 A 11740 X
25	4-40 UNC Threaded insert	242 A 11750 X
37	4-40 UNC Threaded insert	242 A 11760 X
50	4-40 UNC Threaded insert	242 A 15850 X
09	M3 Threaded insert	242 A 11850 X
15	M3 Threaded insert	242 A 11860 X
25	M3 Threaded insert	242 A 11870 X
37	M3 Threaded insert	242 A 11880 X
50	M3 Threaded insert	242 A 15880 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 11600 X
15	Through-hole	241 A 11610 X
25	Through-hole	241 A 11620 X
37	Through-hole	241 A 11630 X
50	Through-hole	241 A 15930 X
09	4-40 UNC Threaded insert	241 A 11720 X
15	4-40 UNC Threaded insert	241 A 11730 X
25	4-40 UNC Threaded insert	241 A 11740 X
37	4-40 UNC Threaded insert	241 A 11750 X
50	4-40 UNC Threaded insert	241 A 15960 X
09	M3 Threaded insert	241 A 11840 X
15	M3 Threaded insert	241 A 11850 X
25	M3 Threaded insert	241 A 11860 X
37	M3 Threaded insert	241 A 11870 X
50	M3 Threaded insert	241 A 15990 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 11690 X
15	Through-hole	242 A 11700 X
25	Through-hole	242 A 11710 X
37	Through-hole	242 A 11720 X
50	Through-hole	242 A 15840 X
09	4-40 UNC Threaded insert	242 A 11810 X
15	4-40 UNC Threaded insert	242 A 11820 X
25	4-40 UNC Threaded insert	242 A 11830 X
37	4-40 UNC Threaded insert	242 A 11840 X
50	4-40 UNC Threaded insert	242 A 15870 X
09	M3 Threaded insert	242 A 11930 X
15	M3 Threaded insert	242 A 11940 X
25	M3 Threaded insert	242 A 11950 X
37	M3 Threaded insert	242 A 11960 X
50	M3 Threaded insert	242 A 15900 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 11680 X
15	Through-hole	241 A 11690 X
25	Through-hole	241 A 11700 X
37	Through-hole	241 A 11710 X
50	Through-hole	241 A 15950 X
09	4-40 UNC Threaded insert	241 A 11800 X
15	4-40 UNC Threaded insert	241 A 11810 X
25	4-40 UNC Threaded insert	241 A 11820 X
37	4-40 UNC Threaded insert	241 A 11830 X
50	4-40 UNC Threaded insert	241 A 15980 X
09	M3 Threaded insert	241 A 11920 X
15	M3 Threaded insert	241 A 11930 X
25	M3 Threaded insert	241 A 11940 X
37	M3 Threaded insert	241 A 11950 X
50	M3 Threaded insert	241 A 16010 X

Capacitance 1300 pF

Socket connector

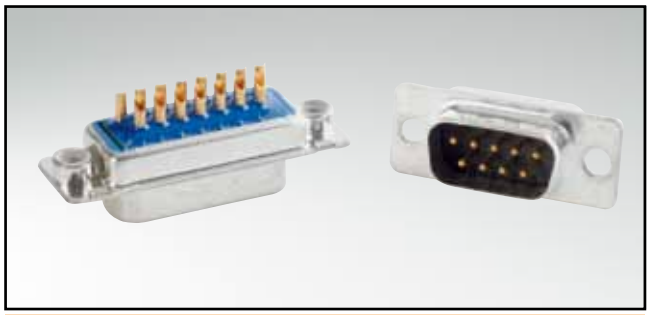
No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 11650 X
15	Through-hole	242 A 11660 X
25	Through-hole	242 A 11670 X
37	Through-hole	242 A 11680 X
50	Through-hole	242 A 15830 X
09	4-40 UNC Threaded insert	242 A 11770 X
15	4-40 UNC Threaded insert	242 A 11780 X
25	4-40 UNC Threaded insert	242 A 11790 X
37	4-40 UNC Threaded insert	242 A 11800 X
50	4-40 UNC Threaded insert	242 A 15860 X
09	M3 Threaded insert	242 A 11890 X
15	M3 Threaded insert	242 A 11900 X
25	M3 Threaded insert	242 A 11910 X
37	M3 Threaded insert	242 A 11920 X
50	M3 Threaded insert	242 A 15890 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 11640 X
15	Through-hole	241 A 11650 X
25	Through-hole	241 A 11660 X
37	Through-hole	241 A 11670 X
50	Through-hole	241 A 15940 X
09	4-40 UNC Threaded insert	241 A 11760 X
15	4-40 UNC Threaded insert	241 A 11770 X
25	4-40 UNC Threaded insert	241 A 11780 X
37	4-40 UNC Threaded insert	241 A 11790 X
50	4-40 UNC Threaded insert	241 A 15970 X
09	M3 Threaded insert	241 A 11880 X
15	M3 Threaded insert	241 A 11890 X
25	M3 Threaded insert	241 A 11900 X
37	M3 Threaded insert	241 A 11910 X
50	M3 Threaded insert	241 A 16000 X

C-FILTER D-SUB STANDARD

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

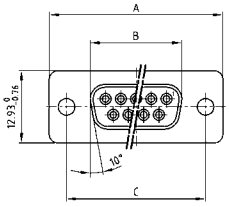


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

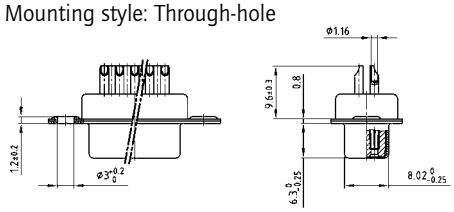
- Suitable for wire size AWG 20
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

SOCKET CONNECTOR

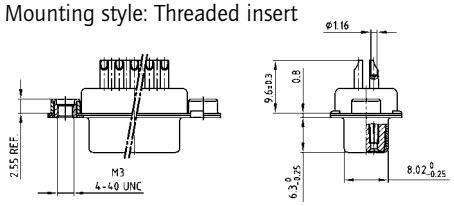


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

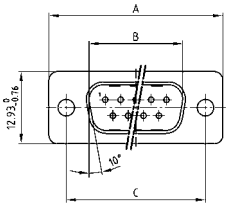
Mounting style: Through-hole



Mounting style: Threaded insert

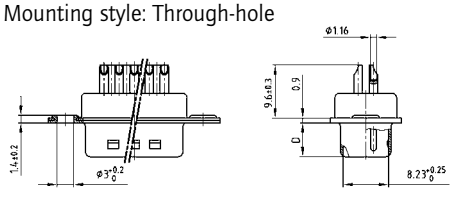


PLUG CONNECTOR

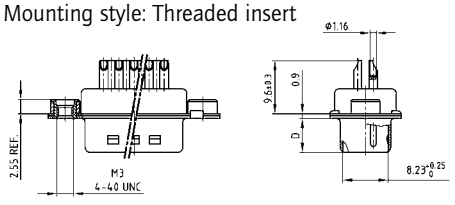


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

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	242 A 26740 X
15	Through-hole	242 A 26750 X
25	Through-hole	242 A 26760 X
37	Through-hole	242 A 26770 X
09	4-40 UNC Threaded insert	242 A 26900 X
15	4-40 UNC Threaded insert	242 A 26910 X
25	4-40 UNC Threaded insert	242 A 26920 X
37	4-40 UNC Threaded insert	242 A 26930 X
09	M3 Threaded insert	242 A 27060 X
15	M3 Threaded insert	242 A 27070 X
25	M3 Threaded insert	242 A 27080 X
37	M3 Threaded insert	242 A 27090 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 26840 X
15	Through-hole	241 A 26850 X
25	Through-hole	241 A 26860 X
37	Through-hole	241 A 26870 X
09	4-40 UNC Threaded insert	241 A 27000 X
15	4-40 UNC Threaded insert	241 A 27010 X
25	4-40 UNC Threaded insert	241 A 27020 X
37	4-40 UNC Threaded insert	241 A 27030 X
09	M3 Threaded insert	241 A 27160 X
15	M3 Threaded insert	241 A 27170 X
25	M3 Threaded insert	241 A 27180 X
37	M3 Threaded insert	241 A 27190 X

C-Filter D-SUB Standard

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

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 26780 X
15	Through-hole	242 A 26790 X
25	Through-hole	242 A 26800 X
37	Through-hole	242 A 26810 X
09	4-40 UNC Threaded insert	242 A 26940 X
15	4-40 UNC Threaded insert	242 A 26950 X
25	4-40 UNC Threaded insert	242 A 26960 X
37	4-40 UNC Threaded insert	242 A 26970 X
09	M3 Threaded insert	242 A 27100 X
15	M3 Threaded insert	242 A 27110 X
25	M3 Threaded insert	242 A 27120 X
37	M3 Threaded insert	242 A 27130 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 26880 X
15	Through-hole	241 A 26890 X
25	Through-hole	241 A 26900 X
37	Through-hole	241 A 26910 X
09	4-40 UNC Threaded insert	241 A 27040 X
15	4-40 UNC Threaded insert	241 A 27050 X
25	4-40 UNC Threaded insert	241 A 27060 X
37	4-40 UNC Threaded insert	241 A 27070 X
09	M3 Threaded insert	241 A 27200 X
15	M3 Threaded insert	241 A 27210 X
25	M3 Threaded insert	241 A 27220 X
37	M3 Threaded insert	241 A 27230 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 26820 X
15	Through-hole	242 A 26830 X
25	Through-hole	242 A 26840 X
37	Through-hole	242 A 26850 X
09	4-40 UNC Threaded insert	242 A 26980 X
15	4-40 UNC Threaded insert	242 A 26990 X
25	4-40 UNC Threaded insert	242 A 27000 X
37	4-40 UNC Threaded insert	242 A 27010 X
09	M3 Threaded insert	242 A 27140 X
15	M3 Threaded insert	242 A 27150 X
25	M3 Threaded insert	242 A 27160 X
37	M3 Threaded insert	242 A 27170 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 26920 X
15	Through-hole	241 A 26930 X
25	Through-hole	241 A 26940 X
37	Through-hole	241 A 26950 X
09	4-40 UNC Threaded insert	241 A 27080 X
15	4-40 UNC Threaded insert	241 A 27090 X
25	4-40 UNC Threaded insert	241 A 27100 X
37	4-40 UNC Threaded insert	241 A 27110 X
09	M3 Threaded insert	241 A 27240 X
15	M3 Threaded insert	241 A 27250 X
25	M3 Threaded insert	241 A 27260 X
37	M3 Threaded insert	241 A 27270 X

Capacitance 1300 pF

Socket connector

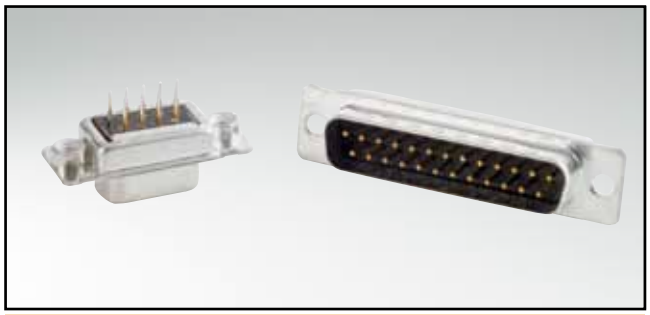
No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 26860 X
15	Through-hole	242 A 26870 X
25	Through-hole	242 A 26880 X
37	Through-hole	242 A 26890 X
09	4-40 UNC Threaded insert	242 A 27020 X
15	4-40 UNC Threaded insert	242 A 27030 X
25	4-40 UNC Threaded insert	242 A 27040 X
37	4-40 UNC Threaded insert	242 A 27050 X
09	M3 Threaded insert	242 A 27180 X
15	M3 Threaded insert	242 A 27190 X
25	M3 Threaded insert	242 A 27200 X
37	M3 Threaded insert	242 A 27210 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 26960 X
15	Through-hole	241 A 26970 X
25	Through-hole	241 A 26980 X
37	Through-hole	241 A 26990 X
09	4-40 UNC Threaded insert	241 A 27120 X
15	4-40 UNC Threaded insert	241 A 27130 X
25	4-40 UNC Threaded insert	241 A 27140 X
37	4-40 UNC Threaded insert	241 A 27150 X
09	M3 Threaded insert	241 A 27280 X
15	M3 Threaded insert	241 A 27290 X
25	M3 Threaded insert	241 A 27300 X
37	M3 Threaded insert	241 A 27310 X

C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

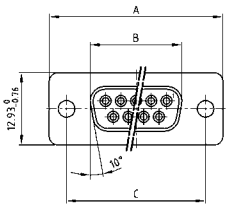


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

- Mounting styles:
  - with through-hole, 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)

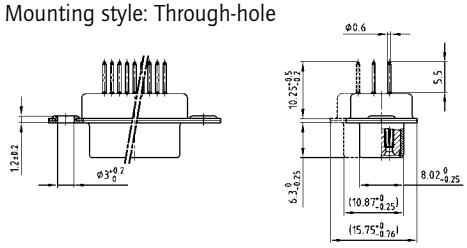
SOCKET CONNECTOR



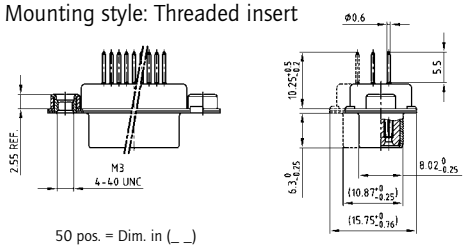
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 +0.13
15	39.52	24.79	33.30 +0.15 +0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 +0.11

PCB layout: Kat1kFUA

Mounting style: Through-hole

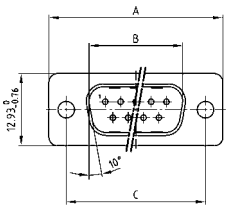


Mounting style: Threaded insert



50 pos. = Dim. in (_ _)

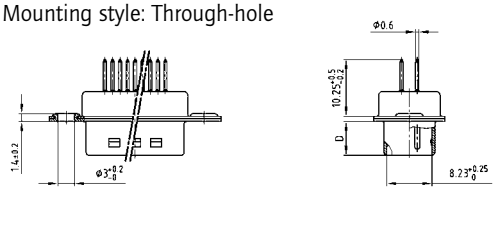
PLUG CONNECTOR



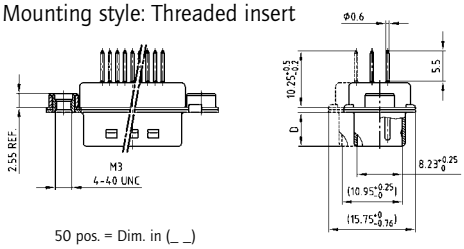
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 +0.13	6.12
15	39.52	25.12	33.30 +0.15 +0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 +0.11	5.99

PCB layout: Kat1kFUA

Mounting style: Through-hole



Mounting style: Threaded insert



50 pos. = Dim. in (_ _)

ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 16060 X
15	Through-hole	242 A 16070 X
25	Through-hole	242 A 16080 X
37	Through-hole	242 A 16090 X
50	Through-hole	242 A 16100 X
09	4-40 UNC Threaded insert	242 A 16110 X
15	4-40 UNC Threaded insert	242 A 16120 X
25	4-40 UNC Threaded insert	242 A 16130 X
37	4-40 UNC Threaded insert	242 A 16140 X
50	4-40 UNC Threaded insert	242 A 16150 X
09	M3 Threaded insert	242 A 16160 X
15	M3 Threaded insert	242 A 16170 X
25	M3 Threaded insert	242 A 16180 X
37	M3 Threaded insert	242 A 16190 X
50	M3 Threaded insert	242 A 16200 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 18680 X
15	Through-hole	241 A 18690 X
25	Through-hole	241 A 18700 X
37	Through-hole	241 A 18710 X
50	Through-hole	241 A 18720 X
09	4-40 UNC Threaded insert	241 A 18730 X
15	4-40 UNC Threaded insert	241 A 18740 X
25	4-40 UNC Threaded insert	241 A 18750 X
37	4-40 UNC Threaded insert	241 A 18760 X
50	4-40 UNC Threaded insert	241 A 18770 X
09	M3 Threaded insert	241 A 18780 X
15	M3 Threaded insert	241 A 18790 X
25	M3 Threaded insert	241 A 18800 X
37	M3 Threaded insert	241 A 18810 X
50	M3 Threaded insert	241 A 18820 X

C-Filter D-SUB Standard

Solder pin – Straight – Precision machined contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 10010 X
15	Through-hole	242 A 10020 X
25	Through-hole	242 A 10030 X
37	Through-hole	242 A 10040 X
50	Through-hole	242 A 15580 X
09	4-40 UNC Threaded insert	242 A 10130 X
15	4-40 UNC Threaded insert	242 A 10140 X
25	4-40 UNC Threaded insert	242 A 10150 X
37	4-40 UNC Threaded insert	242 A 10160 X
50	4-40 UNC Threaded insert	242 A 15610 X
09	M3 Threaded insert	242 A 10250 X
15	M3 Threaded insert	242 A 10260 X
25	M3 Threaded insert	242 A 10270 X
37	M3 Threaded insert	242 A 10280 X
50	M3 Threaded insert	242 A 15640 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 10010 X
15	Through-hole	241 A 10020 X
25	Through-hole	241 A 10030 X
37	Through-hole	241 A 10040 X
50	Through-hole	241 A 15690 X
09	4-40 UNC Threaded insert	241 A 10130 X
15	4-40 UNC Threaded insert	241 A 10140 X
25	4-40 UNC Threaded insert	241 A 10150 X
37	4-40 UNC Threaded insert	241 A 10160 X
50	4-40 UNC Threaded insert	241 A 15720 X
09	M3 Threaded insert	241 A 10250 X
15	M3 Threaded insert	241 A 10260 X
25	M3 Threaded insert	241 A 10270 X
37	M3 Threaded insert	241 A 10280 X
50	M3 Threaded insert	241 A 15750 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 10090 X
15	Through-hole	242 A 10100 X
25	Through-hole	242 A 10110 X
37	Through-hole	242 A 10120 X
50	Through-hole	242 A 15600 X
09	4-40 UNC Threaded insert	242 A 10210 X
15	4-40 UNC Threaded insert	242 A 10220 X
25	4-40 UNC Threaded insert	242 A 10230 X
37	4-40 UNC Threaded insert	242 A 10240 X
50	4-40 UNC Threaded insert	242 A 15630 X
09	M3 Threaded insert	242 A 10330 X
15	M3 Threaded insert	242 A 10340 X
25	M3 Threaded insert	242 A 10350 X
37	M3 Threaded insert	242 A 10360 X
50	M3 Threaded insert	242 A 15660 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 10090 X
15	Through-hole	241 A 10100 X
25	Through-hole	241 A 10110 X
37	Through-hole	241 A 10120 X
50	Through-hole	241 A 15710 X
09	4-40 UNC Threaded insert	241 A 10210 X
15	4-40 UNC Threaded insert	241 A 10220 X
25	4-40 UNC Threaded insert	241 A 10230 X
37	4-40 UNC Threaded insert	241 A 10240 X
50	4-40 UNC Threaded insert	241 A 15740 X
09	M3 Threaded insert	241 A 10330 X
15	M3 Threaded insert	241 A 10340 X
25	M3 Threaded insert	241 A 10350 X
37	M3 Threaded insert	241 A 10360 X
50	M3 Threaded insert	241 A 15770 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 10050 X
15	Through-hole	242 A 10060 X
25	Through-hole	242 A 10070 X
37	Through-hole	242 A 10080 X
50	Through-hole	242 A 15590 X
09	4-40 UNC Threaded insert	242 A 10170 X
15	4-40 UNC Threaded insert	242 A 10180 X
25	4-40 UNC Threaded insert	242 A 10190 X
37	4-40 UNC Threaded insert	242 A 10200 X
50	4-40 UNC Threaded insert	242 A 15620 X
09	M3 Threaded insert	242 A 10290 X
15	M3 Threaded insert	242 A 10300 X
25	M3 Threaded insert	242 A 10310 X
37	M3 Threaded insert	242 A 10320 X
50	M3 Threaded insert	242 A 15650 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 10050 X
15	Through-hole	241 A 10060 X
25	Through-hole	241 A 10070 X
37	Through-hole	241 A 10080 X
50	Through-hole	241 A 15700 X
09	4-40 UNC Threaded insert	241 A 10170 X
15	4-40 UNC Threaded insert	241 A 10180 X
25	4-40 UNC Threaded insert	241 A 10190 X
37	4-40 UNC Threaded insert	241 A 10200 X
50	4-40 UNC Threaded insert	241 A 15730 X
09	M3 Threaded insert	241 A 10290 X
15	M3 Threaded insert	241 A 10300 X
25	M3 Threaded insert	241 A 10310 X
37	M3 Threaded insert	241 A 10320 X
50	M3 Threaded insert	241 A 15760 X

C-FILTER D-SUB STANDARD

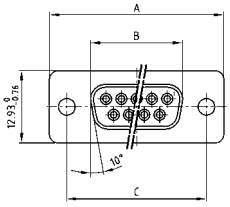
Solder pin – Straight – Precision machined contacts

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 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)

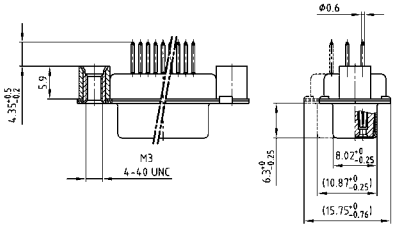
SOCKET CONNECTOR



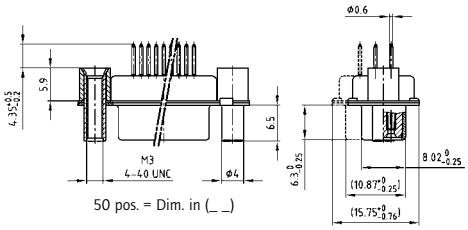
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 +0.13
15	39.52	24.79	33.30 +0.15 +0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 +0.11

PCB layout: Kat1kFUA

Mounting style: Threaded rear spacer

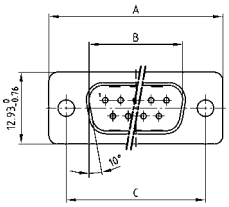


Mounting style: Threaded rear spacer, front spacer



50 pos. = Dim. in (_ _)

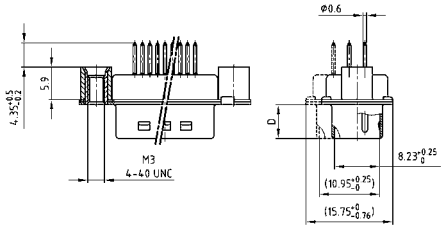
PLUG CONNECTOR



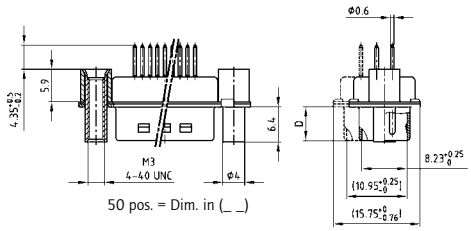
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 +0.13	6.12
15	39.52	25.12	33.30 +0.15 +0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 +0.11	5.99

PCB layout: Kat1kFUA

Mounting style: Threaded rear spacer



Mounting style: Threaded rear spacer, front spacer



50 pos. = Dim. in (_ _)

ORDER DATA

Capacitance 180 pF

SOCKET CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242 A 16210 X
15	4-40 UNC Threaded rear spacer	242 A 16220 X
25	4-40 UNC Threaded rear spacer	242 A 16230 X
37	4-40 UNC Threaded rear spacer	242 A 16240 X
50	4-40 UNC Threaded rear spacer	242 A 16250 X
09	M3 Threaded rear spacer	242 A 16260 X
15	M3 Threaded rear spacer	242 A 16270 X
25	M3 Threaded rear spacer	242 A 16280 X
37	M3 Threaded rear spacer	242 A 16290 X
50	M3 Threaded rear spacer	242 A 16300 X
09	4-40 UNC Front / Threaded rear spacer	242 A 16310 X
15	4-40 UNC Front / Threaded rear spacer	242 A 16320 X
25	4-40 UNC Front / Threaded rear spacer	242 A 16330 X
37	4-40 UNC Front / Threaded rear spacer	242 A 16340 X
50	4-40 UNC Front / Threaded rear spacer	242 A 16350 X
09	M3 Front / Threaded rear spacer	242 A 16360 X
15	M3 Front / Threaded rear spacer	242 A 16370 X
25	M3 Front / Threaded rear spacer	242 A 16380 X
37	M3 Front / Threaded rear spacer	242 A 16390 X
50	M3 Front / Threaded rear spacer	242 A 16400 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	241 A 18830 X
15	4-40 UNC Threaded rear spacer	241 A 18840 X
25	4-40 UNC Threaded rear spacer	241 A 18850 X
37	4-40 UNC Threaded rear spacer	241 A 18860 X
50	4-40 UNC Threaded rear spacer	241 A 18870 X
09	M3 Threaded rear spacer	241 A 18880 X
15	M3 Threaded rear spacer	241 A 18890 X
25	M3 Threaded rear spacer	241 A 18900 X
37	M3 Threaded rear spacer	241 A 18910 X
50	M3 Threaded rear spacer	241 A 18920 X
09	4-40 UNC Front / Threaded rear spacer	241 A 18930 X
15	4-40 UNC Front / Threaded rear spacer	241 A 18940 X
25	4-40 UNC Front / Threaded rear spacer	241 A 18950 X
37	4-40 UNC Front / Threaded rear spacer	241 A 18960 X
50	4-40 UNC Front / Threaded rear spacer	241 A 18970 X
09	M3 Front / Threaded rear spacer	241 A 18980 X
15	M3 Front / Threaded rear spacer	241 A 18990 X
25	M3 Front / Threaded rear spacer	241 A 19000 X
37	M3 Front / Threaded rear spacer	241 A 19010 X
50	M3 Front / Threaded rear spacer	241 A 19020 X

C-Filter D-SUB Standard

Solder pin – Straight – Precision machined contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242 A 10370 X
15	4-40 UNC Threaded rear spacer	242 A 10380 X
25	4-40 UNC Threaded rear spacer	242 A 10390 X
37	4-40 UNC Threaded rear spacer	242 A 10400 X
50	4-40 UNC Threaded rear spacer	242 A 15670 X
09	M3 Threaded rear spacer	242 A 10490 X
15	M3 Threaded rear spacer	242 A 10500 X
25	M3 Threaded rear spacer	242 A 10510 X
37	M3 Threaded rear spacer	242 A 10520 X
50	M3 Threaded rear spacer	242 A 15700 X
09	4-40 UNC Front / Threaded rear spacer	242 A 10610 X
15	4-40 UNC Front / Threaded rear spacer	242 A 10620 X
25	4-40 UNC Front / Threaded rear spacer	242 A 10630 X
37	4-40 UNC Front / Threaded rear spacer	242 A 10640 X
50	4-40 UNC Front / Threaded rear spacer	242 A 15730 X
09	M3 Front / Threaded rear spacer	242 A 10730 X
15	M3 Front / Threaded rear spacer	242 A 10740 X
25	M3 Front / Threaded rear spacer	242 A 10750 X
37	M3 Front / Threaded rear spacer	242 A 10760 X
50	M3 Front / Threaded rear spacer	242 A 15760 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	241 A 10370 X
15	4-40 UNC Threaded rear spacer	241 A 10380 X
25	4-40 UNC Threaded rear spacer	241 A 10390 X
37	4-40 UNC Threaded rear spacer	241 A 10400 X
50	4-40 UNC Threaded rear spacer	241 A 15780 X
09	M3 Threaded rear spacer	241 A 10490 X
15	M3 Threaded rear spacer	241 A 10500 X
25	M3 Threaded rear spacer	241 A 10510 X
37	M3 Threaded rear spacer	241 A 10520 X
50	M3 Threaded rear spacer	241 A 15810 X
09	4-40 UNC Front / Threaded rear spacer	241 A 10610 X
15	4-40 UNC Front / Threaded rear spacer	241 A 10620 X
25	4-40 UNC Front / Threaded rear spacer	241 A 10630 X
37	4-40 UNC Front / Threaded rear spacer	241 A 10640 X
50	4-40 UNC Front / Threaded rear spacer	241 A 15840 X
09	M3 Front / Threaded rear spacer	241 A 10730 X
15	M3 Front / Threaded rear spacer	241 A 10740 X
25	M3 Front / Threaded rear spacer	241 A 10750 X
37	M3 Front / Threaded rear spacer	241 A 10760 X
50	M3 Front / Threaded rear spacer	241 A 15870 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242 A 10450 X
15	4-40 UNC Threaded rear spacer	242 A 10460 X
25	4-40 UNC Threaded rear spacer	242 A 10470 X
37	4-40 UNC Threaded rear spacer	242 A 10480 X
50	4-40 UNC Threaded rear spacer	242 A 15690 X
09	M3 Threaded rear spacer	242 A 10570 X
15	M3 Threaded rear spacer	242 A 10580 X
25	M3 Threaded rear spacer	242 A 10590 X
37	M3 Threaded rear spacer	242 A 10600 X
50	M3 Threaded rear spacer	242 A 15720 X
09	4-40 UNC Front / Threaded rear spacer	242 A 10690 X
15	4-40 UNC Front / Threaded rear spacer	242 A 10700 X
25	4-40 UNC Front / Threaded rear spacer	242 A 10710 X
37	4-40 UNC Front / Threaded rear spacer	242 A 10720 X
50	4-40 UNC Front / Threaded rear spacer	242 A 15750 X
09	M3 Front / Threaded rear spacer	242 A 10810 X
15	M3 Front / Threaded rear spacer	242 A 10820 X
25	M3 Front / Threaded rear spacer	242 A 10830 X
37	M3 Front / Threaded rear spacer	242 A 10840 X
50	M3 Front / Threaded rear spacer	242 A 15780 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	241 A 10450 X
15	4-40 UNC Threaded rear spacer	241 A 10460 X
25	4-40 UNC Threaded rear spacer	241 A 10470 X
37	4-40 UNC Threaded rear spacer	241 A 10480 X
50	4-40 UNC Threaded rear spacer	241 A 15800 X
09	M3 Threaded rear spacer	241 A 10570 X
15	M3 Threaded rear spacer	241 A 10580 X
25	M3 Threaded rear spacer	241 A 10590 X
37	M3 Threaded rear spacer	241 A 10600 X
50	M3 Threaded rear spacer	241 A 15830 X
09	4-40 UNC Front / Threaded rear spacer	241 A 10690 X
15	4-40 UNC Front / Threaded rear spacer	241 A 10700 X
25	4-40 UNC Front / Threaded rear spacer	241 A 10710 X
37	4-40 UNC Front / Threaded rear spacer	241 A 10720 X
50	4-40 UNC Front / Threaded rear spacer	241 A 15860 X
09	M3 Front / Threaded rear spacer	241 A 10810 X
15	M3 Front / Threaded rear spacer	241 A 10820 X
25	M3 Front / Threaded rear spacer	241 A 10830 X
37	M3 Front / Threaded rear spacer	241 A 10840 X
50	M3 Front / Threaded rear spacer	241 A 15890 X

Capacitance 1300 pF

Socket connector

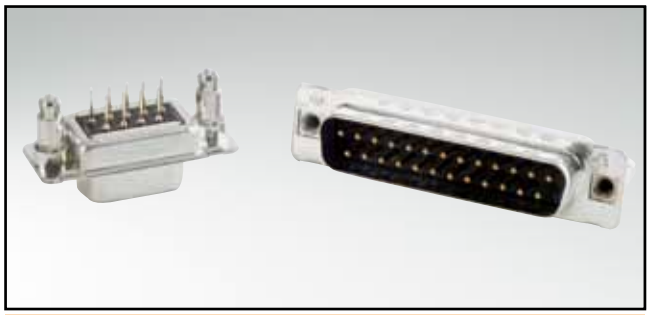
No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	242 A 10410 X
15	4-40 UNC Threaded rear spacer	242 A 10420 X
25	4-40 UNC Threaded rear spacer	242 A 10430 X
37	4-40 UNC Threaded rear spacer	242 A 10440 X
50	4-40 UNC Threaded rear spacer	242 A 15680 X
09	M3 Threaded rear spacer	242 A 10530 X
15	M3 Threaded rear spacer	242 A 10540 X
25	M3 Threaded rear spacer	242 A 10550 X
37	M3 Threaded rear spacer	242 A 10560 X
50	M3 Threaded rear spacer	242 A 15710 X
09	4-40 UNC Front / Threaded rear spacer	242 A 10650 X
15	4-40 UNC Front / Threaded rear spacer	242 A 10660 X
25	4-40 UNC Front / Threaded rear spacer	242 A 10670 X
37	4-40 UNC Front / Threaded rear spacer	242 A 10680 X
50	4-40 UNC Front / Threaded rear spacer	242 A 15740 X
09	M3 Front / Threaded rear spacer	242 A 10770 X
15	M3 Front / Threaded rear spacer	242 A 10780 X
25	M3 Front / Threaded rear spacer	242 A 10790 X
37	M3 Front / Threaded rear spacer	242 A 10800 X
50	M3 Front / Threaded rear spacer	242 A 15770 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer	241 A 10410 X
15	4-40 UNC Threaded rear spacer	241 A 10420 X
25	4-40 UNC Threaded rear spacer	241 A 10430 X
37	4-40 UNC Threaded rear spacer	241 A 10440 X
50	4-40 UNC Threaded rear spacer	241 A 15790 X
09	M3 Threaded rear spacer	241 A 10530 X
15	M3 Threaded rear spacer	241 A 10540 X
25	M3 Threaded rear spacer	241 A 10550 X
37	M3 Threaded rear spacer	241 A 10560 X
50	M3 Threaded rear spacer	241 A 15820 X
09	4-40 UNC Front / Threaded rear spacer	241 A 10650 X
15	4-40 UNC Front / Threaded rear spacer	241 A 10660 X
25	4-40 UNC Front / Threaded rear spacer	241 A 10670 X
37	4-40 UNC Front / Threaded rear spacer	241 A 10680 X
50	4-40 UNC Front / Threaded rear spacer	241 A 15850 X
09	M3 Front / Threaded rear spacer	241 A 10770 X
15	M3 Front / Threaded rear spacer	241 A 10780 X
25	M3 Front / Threaded rear spacer	241 A 10790 X
37	M3 Front / Threaded rear spacer	241 A 10800 X
50	M3 Front / Threaded rear spacer	241 A 15880 X

C-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

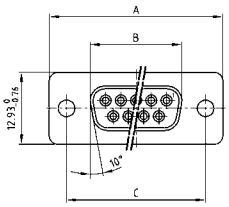


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

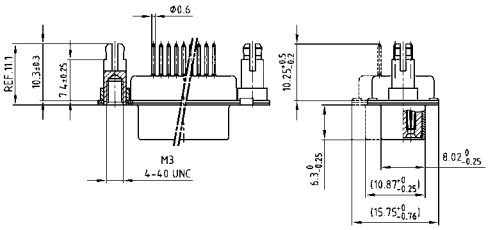
SOCKET CONNECTOR



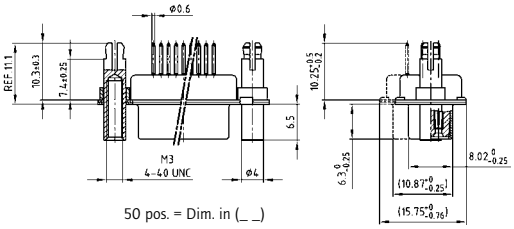
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 -0.11

PCB layout: Kat1kFUA

Mounting style: Threaded rear spacer with PCB clip

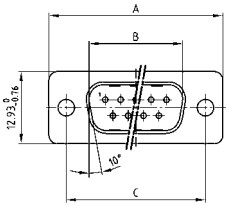


Mounting style: Front and threaded rear spacer with PCB clip



50 pos. = Dim. in (_ _)

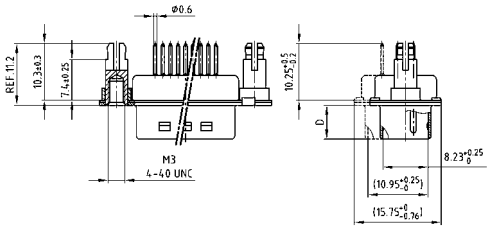
PLUG CONNECTOR



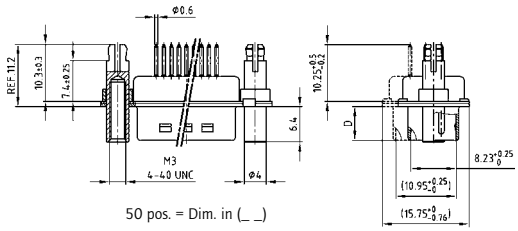
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 -0.11	5.99

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

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 16460 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 16470 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 16480 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 16490 X
50	4-40 UNC Threaded rear spacer PCB clip	242 A 16500 X
09	M3 Threaded rear spacer PCB clip	242 A 16510 X
15	M3 Threaded rear spacer PCB clip	242 A 16520 X
25	M3 Threaded rear spacer PCB clip	242 A 16530 X
37	M3 Threaded rear spacer PCB clip	242 A 16540 X
50	M3 Threaded rear spacer PCB clip	242 A 16550 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 16560 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 16570 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 16580 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 16590 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 16600 X
09	M3 Front / Threaded rear spacer PCB clip	242 A 16610 X
15	M3 Front / Threaded rear spacer PCB clip	242 A 16620 X
25	M3 Front / Threaded rear spacer PCB clip	242 A 16630 X
37	M3 Front / Threaded rear spacer PCB clip	242 A 16640 X
50	M3 Front / Threaded rear spacer PCB clip	242 A 16650 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 19080 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 19090 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 19100 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 19110 X
50	4-40 UNC Threaded rear spacer PCB clip	241 A 19120 X
09	M3 Threaded rear spacer PCB clip	241 A 19130 X
15	M3 Threaded rear spacer PCB clip	241 A 19140 X
25	M3 Threaded rear spacer PCB clip	241 A 19150 X
37	M3 Threaded rear spacer PCB clip	241 A 19160 X
50	M3 Threaded rear spacer PCB clip	241 A 19170 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 19180 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 19190 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 19200 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 19210 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 19220 X
09	M3 Front / Threaded rear spacer PCB clip	241 A 19230 X
15	M3 Front / Threaded rear spacer PCB clip	241 A 19240 X
25	M3 Front / Threaded rear spacer PCB clip	241 A 19250 X
37	M3 Front / Threaded rear spacer PCB clip	241 A 19260 X
50	M3 Front / Threaded rear spacer PCB clip	241 A 19270 X

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 – Straight – Precision machined contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 14980 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 14990 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 15000 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 15010 X
50	4-40 UNC Threaded rear spacer PCB clip	242 A 15020 X
09	M3 Threaded rear spacer PCB clip	242 A 15130 X
15	M3 Threaded rear spacer PCB clip	242 A 15140 X
25	M3 Threaded rear spacer PCB clip	242 A 15150 X
37	M3 Threaded rear spacer PCB clip	242 A 15160 X
50	M3 Threaded rear spacer PCB clip	242 A 15170 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15280 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15290 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15300 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15310 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15320 X
09	M3 Front / Threaded rear spacer PCB clip	242 A 15430 X
15	M3 Front / Threaded rear spacer PCB clip	242 A 15440 X
25	M3 Front / Threaded rear spacer PCB clip	242 A 15450 X
37	M3 Front / Threaded rear spacer PCB clip	242 A 15460 X
50	M3 Front / Threaded rear spacer PCB clip	242 A 15470 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 15090 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 15100 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 15110 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 15120 X
50	4-40 UNC Threaded rear spacer PCB clip	241 A 15130 X
09	M3 Threaded rear spacer PCB clip	241 A 15240 X
15	M3 Threaded rear spacer PCB clip	241 A 15250 X
25	M3 Threaded rear spacer PCB clip	241 A 15260 X
37	M3 Threaded rear spacer PCB clip	241 A 15270 X
50	M3 Threaded rear spacer PCB clip	241 A 15280 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15390 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15400 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15410 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15420 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15430 X
09	M3 Front / Threaded rear spacer PCB clip	241 A 15540 X
15	M3 Front / Threaded rear spacer PCB clip	241 A 15550 X
25	M3 Front / Threaded rear spacer PCB clip	241 A 15560 X
37	M3 Front / Threaded rear spacer PCB clip	241 A 15570 X
50	M3 Front / Threaded rear spacer PCB clip	241 A 15580 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 15080 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 15090 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 15100 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 15110 X
50	4-40 UNC Threaded rear spacer PCB clip	242 A 15120 X
09	M3 Threaded rear spacer PCB clip	242 A 15230 X
15	M3 Threaded rear spacer PCB clip	242 A 15240 X
25	M3 Threaded rear spacer PCB clip	242 A 15250 X
37	M3 Threaded rear spacer PCB clip	242 A 15260 X
50	M3 Threaded rear spacer PCB clip	242 A 15270 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15380 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15390 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15400 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15410 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15420 X
09	M3 Front / Threaded rear spacer PCB clip	242 A 15530 X
15	M3 Front / Threaded rear spacer PCB clip	242 A 15540 X
25	M3 Front / Threaded rear spacer PCB clip	242 A 15550 X
37	M3 Front / Threaded rear spacer PCB clip	242 A 15560 X
50	M3 Front / Threaded rear spacer PCB clip	242 A 15570 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 15190 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 15200 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 15210 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 15220 X
50	4-40 UNC Threaded rear spacer PCB clip	241 A 15230 X
09	M3 Threaded rear spacer PCB clip	241 A 15340 X
15	M3 Threaded rear spacer PCB clip	241 A 15350 X
25	M3 Threaded rear spacer PCB clip	241 A 15360 X
37	M3 Threaded rear spacer PCB clip	241 A 15370 X
50	M3 Threaded rear spacer PCB clip	241 A 15380 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15490 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15500 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15510 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15520 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15530 X
09	M3 Front / Threaded rear spacer PCB clip	241 A 15640 X
15	M3 Front / Threaded rear spacer PCB clip	241 A 15650 X
25	M3 Front / Threaded rear spacer PCB clip	241 A 15660 X
37	M3 Front / Threaded rear spacer PCB clip	241 A 15670 X
50	M3 Front / Threaded rear spacer PCB clip	241 A 15680 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 15030 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 15040 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 15050 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 15060 X
50	4-40 UNC Threaded rear spacer PCB clip	242 A 15070 X
09	M3 Threaded rear spacer PCB clip	242 A 15180 X
15	M3 Threaded rear spacer PCB clip	242 A 15190 X
25	M3 Threaded rear spacer PCB clip	242 A 15200 X
37	M3 Threaded rear spacer PCB clip	242 A 15210 X
50	M3 Threaded rear spacer PCB clip	242 A 15220 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15330 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15340 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15350 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15360 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	242 A 15370 X
09	M3 Front / Threaded rear spacer PCB clip	242 A 15480 X
15	M3 Front / Threaded rear spacer PCB clip	242 A 15490 X
25	M3 Front / Threaded rear spacer PCB clip	242 A 15500 X
37	M3 Front / Threaded rear spacer PCB clip	242 A 15510 X
50	M3 Front / Threaded rear spacer PCB clip	242 A 15520 X

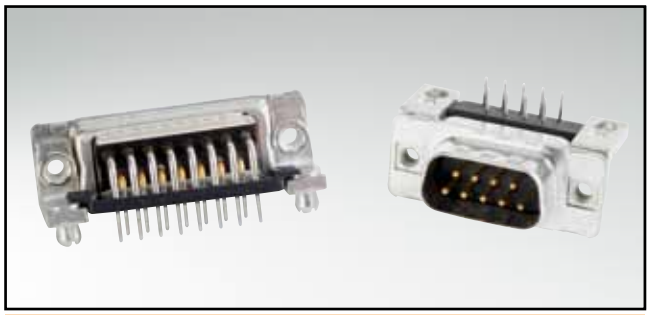
Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 15140 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 15150 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 15160 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 15170 X
50	4-40 UNC Threaded rear spacer PCB clip	241 A 15180 X
09	M3 Threaded rear spacer PCB clip	241 A 15290 X
15	M3 Threaded rear spacer PCB clip	241 A 15300 X
25	M3 Threaded rear spacer PCB clip	241 A 15310 X
37	M3 Threaded rear spacer PCB clip	241 A 15320 X
50	M3 Threaded rear spacer PCB clip	241 A 15330 X
09	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15440 X
15	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15450 X
25	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15460 X
37	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15470 X
50	4-40 UNC Front / Threaded rear spacer PCB clip	241 A 15480 X
09	M3 Front / Threaded rear spacer PCB clip	241 A 15590 X
15	M3 Front / Threaded rear spacer PCB clip	241 A 15600 X
25	M3 Front / Threaded rear spacer PCB clip	241 A 15610 X
37	M3 Front / Threaded rear spacer PCB clip	241 A 15620 X
50	M3 Front / Threaded rear spacer PCB clip	241 A 15630 X

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

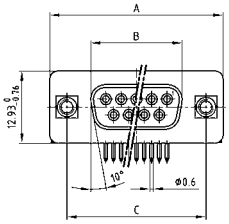


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

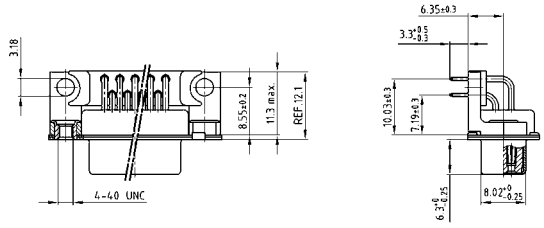
Socket connector



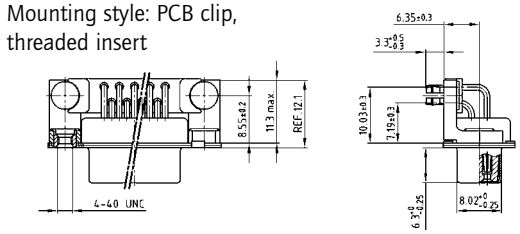
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGEA

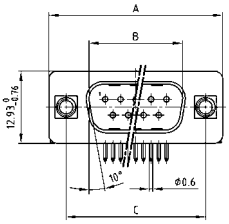
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



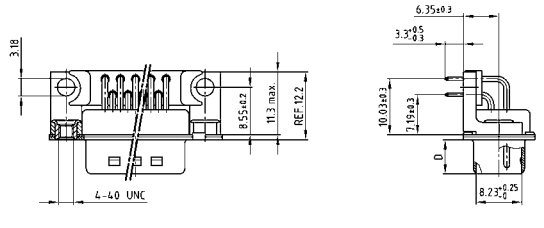
Plug connector



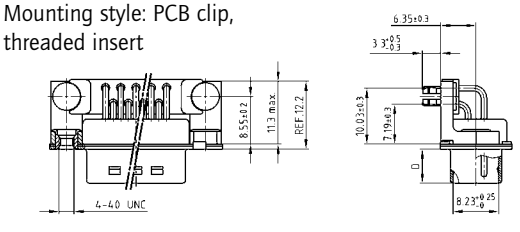
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

PCB layout: 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	242 A 17180 X
15	Threaded insert	242 A 17190 X
25	Threaded insert	242 A 17200 X
37	Threaded insert	242 A 17210 X
09	PCB clip / Threaded insert	242 A 17780 X
15	PCB clip / Threaded insert	242 A 17790 X
25	PCB clip / Threaded insert	242 A 17800 X
37	PCB clip / Threaded insert	242 A 17810 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 19800 X
15	Threaded insert	241 A 19810 X
25	Threaded insert	241 A 19820 X
37	Threaded insert	241 A 19830 X
09	PCB clip / Threaded insert	241 A 16180 X
15	PCB clip / Threaded insert	241 A 16190 X
25	PCB clip / Threaded insert	241 A 16200 X
37	PCB clip / Threaded insert	241 A 16210 X

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

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12340 X
15	Threaded insert	242 A 12350 X
25	Threaded insert	242 A 12360 X
37	Threaded insert	242 A 12370 X
09	PCB clip / Threaded insert	242 A 17740 X
15	PCB clip / Threaded insert	242 A 17750 X
25	PCB clip / Threaded insert	242 A 17760 X
37	PCB clip / Threaded insert	242 A 17770 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12320 X
15	Threaded insert	241 A 12330 X
25	Threaded insert	241 A 12340 X
37	Threaded insert	241 A 12350 X
09	PCB clip / Threaded insert	241 A 16140 X
15	PCB clip / Threaded insert	241 A 16150 X
25	PCB clip / Threaded insert	241 A 16160 X
37	PCB clip / Threaded insert	241 A 16170 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12420 X
15	Threaded insert	242 A 12430 X
25	Threaded insert	242 A 12440 X
37	Threaded insert	242 A 12450 X
09	PCB clip / Threaded insert	242 A 17700 X
15	PCB clip / Threaded insert	242 A 17710 X
25	PCB clip / Threaded insert	242 A 17720 X
37	PCB clip / Threaded insert	242 A 17730 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12400 X
15	Threaded insert	241 A 12410 X
25	Threaded insert	241 A 12420 X
37	Threaded insert	241 A 12430 X
09	PCB clip / Threaded insert	241 A 16100 X
15	PCB clip / Threaded insert	241 A 16110 X
25	PCB clip / Threaded insert	241 A 16120 X
37	PCB clip / Threaded insert	241 A 16130 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12380 X
15	Threaded insert	242 A 12390 X
25	Threaded insert	242 A 12400 X
37	Threaded insert	242 A 12410 X
09	PCB clip / Threaded insert	242 A 17660 X
15	PCB clip / Threaded insert	242 A 17670 X
25	PCB clip / Threaded insert	242 A 17680 X
37	PCB clip / Threaded insert	242 A 17690 X

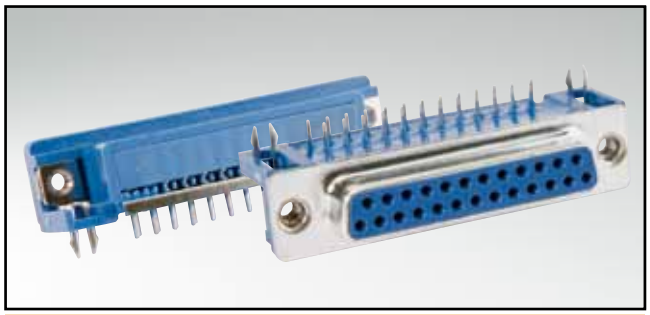
Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12360 X
15	Threaded insert	241 A 12370 X
25	Threaded insert	241 A 12380 X
37	Threaded insert	241 A 12390 X
09	PCB clip / Threaded insert	241 A 16060 X
15	PCB clip / Threaded insert	241 A 16070 X
25	PCB clip / Threaded insert	241 A 16080 X
37	PCB clip / Threaded insert	241 A 16090 X

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 – Stamped contacts

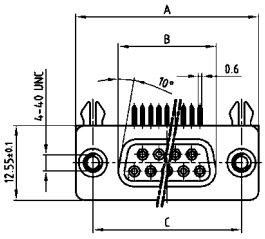


RoHS compliant

DESCRIPTION

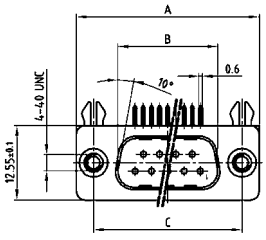
- Mounting style:
  - with mounting bracket, PCB clip and 4-40 UNC threaded insert
- Quality class 1 (other quality classes on request)
- Shell: Steel tin plated

SOCKET CONNECTOR



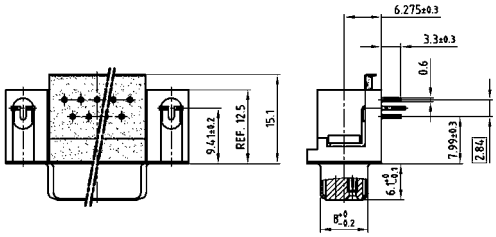
No. of pos.	A ±0.10	B -0.25	C
09	30.81	16.46	25.00 +0.12 -0.13
15	39.14	24.79	33.30 +0.15 -0.10
25	53.04	38.50	47.04 ±0.13
37	69.30	54.96	63.50 ±0.13

PLUG CONNECTOR

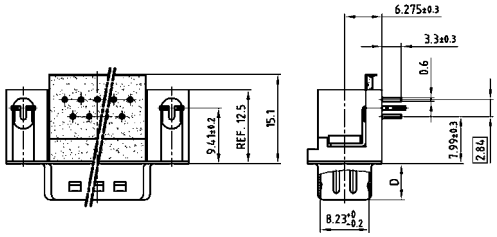


No. of pos.	A ±0.10	B +0.25	C	D -0.3
09	30.81	16.79	25.00 +0.12 -0.13	6.12
15	39.14	25.12	33.30 +0.15 -0.10	6.12
25	53.04	38.84	47.04 ±0.13	5.99
37	69.30	55.30	63.50 ±0.13	5.99

Mounting style: PCB clip, 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	PCB clip / Threaded insert	242 C 29780 X
15	PCB clip / Threaded insert	242 C 29790 X
25	PCB clip / Threaded insert	242 C 29800 X
37	PCB clip / Threaded insert	242 C 29810 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	241 C 29880 X
15	PCB clip / Threaded insert	241 C 29890 X
25	PCB clip / Threaded insert	241 C 29900 X
37	PCB clip / Threaded insert	241 C 29910 X

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 – Stamped contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	242 C 29820 X
15	PCB clip / Threaded insert	242 C 29830 X
25	PCB clip / Threaded insert	242 C 29840 X
37	PCB clip / Threaded insert	242 C 29850 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	241 C 29920 X
15	PCB clip / Threaded insert	241 C 29930 X
25	PCB clip / Threaded insert	241 C 29940 X
37	PCB clip / Threaded insert	241 C 29950 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	242 C 29860 X
15	PCB clip / Threaded insert	242 C 29870 X
25	PCB clip / Threaded insert	242 C 29880 X
37	PCB clip / Threaded insert	242 C 29890 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	241 C 29960 X
15	PCB clip / Threaded insert	241 C 29970 X
25	PCB clip / Threaded insert	241 C 29980 X
37	PCB clip / Threaded insert	241 C 29990 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	242 C 29900 X
15	PCB clip / Threaded insert	242 C 29910 X
25	PCB clip / Threaded insert	242 C 29920 X
37	PCB clip / Threaded insert	242 C 29930 X

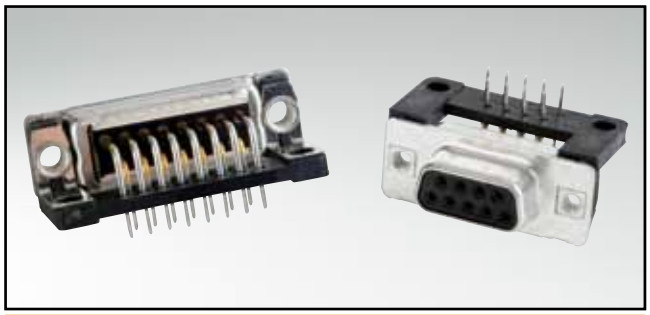
Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	PCB clip / Threaded insert	241 C 30000 X
15	PCB clip / Threaded insert	241 C 30010 X
25	PCB clip / Threaded insert	241 C 30020 X
37	PCB clip / Threaded insert	241 C 30030 X

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

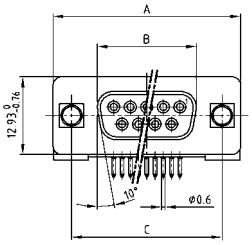


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

- Mounting styles:
  - Mounting bracket, grounding strap with through-hole Ø .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)

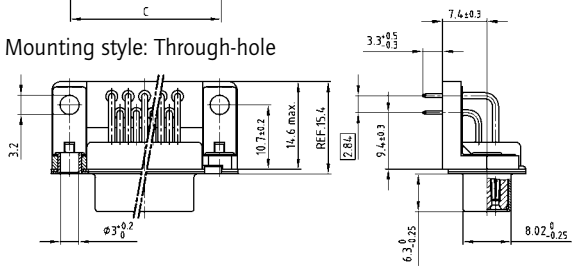
SOCKET CONNECTOR



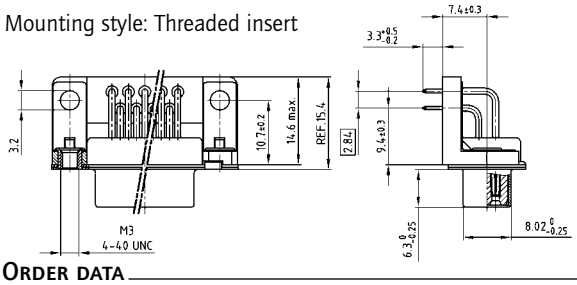
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGGA

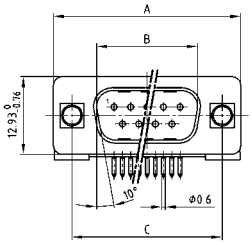
Mounting style: Through-hole



Mounting style: Threaded insert



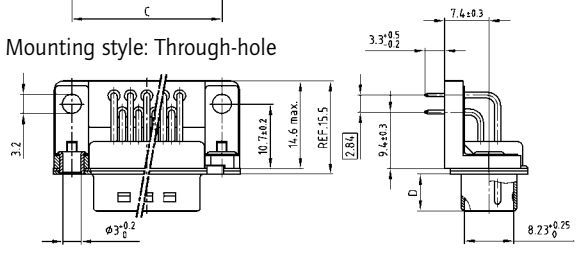
PLUG CONNECTOR



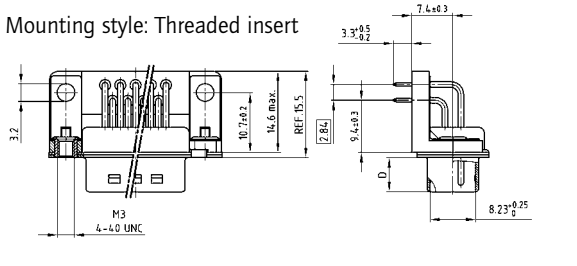
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

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	242 A 16780 X
15	Through-hole	242 A 16790 X
25	Through-hole	242 A 16800 X
37	Through-hole	242 A 16810 X
09	Grounding strap/4-40 UNC Threaded insert	242 A 16820 X
15	Grounding strap/4-40 UNC Threaded insert	242 A 16830 X
25	Grounding strap/4-40 UNC Threaded insert	242 A 16840 X
37	Grounding strap/4-40 UNC Threaded insert	242 A 16850 X
09	Grounding strap/M3 Threaded insert	242 A 16860 X
15	Grounding strap/M3 Threaded insert	242 A 16870 X
25	Grounding strap/M3 Threaded insert	242 A 16880 X
37	Grounding strap/M3 Threaded insert	242 A 16890 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 19400 X
15	Through-hole	241 A 19410 X
25	Through-hole	241 A 19420 X
37	Through-hole	241 A 19430 X
09	Grounding strap/4-40 UNC Threaded insert	241 A 19440 X
15	Grounding strap/4-40 UNC Threaded insert	241 A 19450 X
25	Grounding strap/4-40 UNC Threaded insert	241 A 19460 X
37	Grounding strap/4-40 UNC Threaded insert	241 A 19470 X
09	Grounding strap/M3 Threaded insert	241 A 19480 X
15	Grounding strap/M3 Threaded insert	241 A 19490 X
25	Grounding strap/M3 Threaded insert	241 A 19500 X
37	Grounding strap/M3 Threaded insert	241 A 19510 X

C-Filter D-SUB Standard

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

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 10970 X
15	Through-hole	242 A 10980 X
25	Through-hole	242 A 10990 X
37	Through-hole	242 A 11000 X
09	Grounding strap/4-40 UNC Threaded insert	242 A 11090 X
15	Grounding strap/4-40 UNC Threaded insert	242 A 11100 X
25	Grounding strap/4-40 UNC Threaded insert	242 A 11110 X
37	Grounding strap/4-40 UNC Threaded insert	242 A 11120 X
09	Grounding strap/M3 Threaded insert	242 A 11210 X
15	Grounding strap/M3 Threaded insert	242 A 11220 X
25	Grounding strap/M3 Threaded insert	242 A 11230 X
37	Grounding strap/M3 Threaded insert	242 A 11240 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 10970 X
15	Through-hole	241 A 10980 X
25	Through-hole	241 A 10990 X
37	Through-hole	241 A 11000 X
09	Grounding strap/4-40 UNC Threaded insert	241 A 11090 X
15	Grounding strap/4-40 UNC Threaded insert	241 A 11100 X
25	Grounding strap/4-40 UNC Threaded insert	241 A 11110 X
37	Grounding strap/4-40 UNC Threaded insert	241 A 11120 X
09	Grounding strap/M3 Threaded insert	241 A 11210 X
15	Grounding strap/M3 Threaded insert	241 A 11220 X
25	Grounding strap/M3 Threaded insert	241 A 11230 X
37	Grounding strap/M3 Threaded insert	241 A 11240 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 11050 X
15	Through-hole	242 A 11060 X
25	Through-hole	242 A 11070 X
37	Through-hole	242 A 11080 X
09	Grounding strap/4-40 UNC Threaded insert	242 A 11170 X
15	Grounding strap/4-40 UNC Threaded insert	242 A 11180 X
25	Grounding strap/4-40 UNC Threaded insert	242 A 11190 X
37	Grounding strap/4-40 UNC Threaded insert	242 A 11200 X
09	Grounding strap/M3 Threaded insert	242 A 11290 X
15	Grounding strap/M3 Threaded insert	242 A 11300 X
25	Grounding strap/M3 Threaded insert	242 A 11310 X
37	Grounding strap/M3 Threaded insert	242 A 11320 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 11050 X
15	Through-hole	241 A 11060 X
25	Through-hole	241 A 11070 X
37	Through-hole	241 A 11080 X
09	Grounding strap/4-40 UNC Threaded insert	241 A 11170 X
15	Grounding strap/4-40 UNC Threaded insert	241 A 11180 X
25	Grounding strap/4-40 UNC Threaded insert	241 A 11190 X
37	Grounding strap/4-40 UNC Threaded insert	241 A 11200 X
09	Grounding strap/M3 Threaded insert	241 A 11290 X
15	Grounding strap/M3 Threaded insert	241 A 11300 X
25	Grounding strap/M3 Threaded insert	241 A 11310 X
37	Grounding strap/M3 Threaded insert	241 A 11320 X

Capacitance 1300 pF

Socket connector

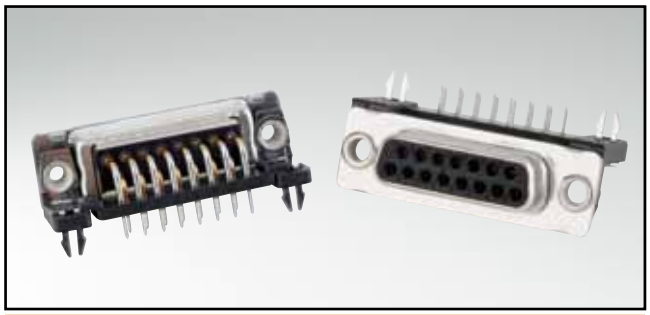
No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 11010 X
15	Through-hole	242 A 11020 X
25	Through-hole	242 A 11030 X
37	Through-hole	242 A 11040 X
09	Grounding strap/4-40 UNC Threaded insert	242 A 11130 X
15	Grounding strap/4-40 UNC Threaded insert	242 A 11140 X
25	Grounding strap/4-40 UNC Threaded insert	242 A 11150 X
37	Grounding strap/4-40 UNC Threaded insert	242 A 11160 X
09	Grounding strap/M3 Threaded insert	242 A 11250 X
15	Grounding strap/M3 Threaded insert	242 A 11260 X
25	Grounding strap/M3 Threaded insert	242 A 11270 X
37	Grounding strap/M3 Threaded insert	242 A 11280 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 11010 X
15	Through-hole	241 A 11020 X
25	Through-hole	241 A 11030 X
37	Through-hole	241 A 11040 X
09	Grounding strap/4-40 UNC Threaded insert	241 A 11130 X
15	Grounding strap/4-40 UNC Threaded insert	241 A 11140 X
25	Grounding strap/4-40 UNC Threaded insert	241 A 11150 X
37	Grounding strap/4-40 UNC Threaded insert	241 A 11160 X
09	Grounding strap/M3 Threaded insert	241 A 11250 X
15	Grounding strap/M3 Threaded insert	241 A 11260 X
25	Grounding strap/M3 Threaded insert	241 A 11270 X
37	Grounding strap/M3 Threaded insert	241 A 11280 X

C-FILTER D-SUB STANDARD

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

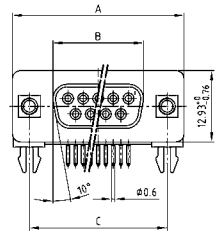


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

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

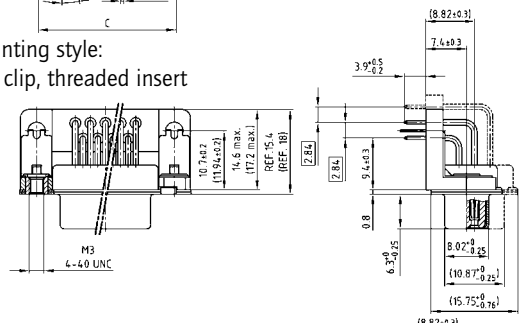
SOCKET CONNECTOR



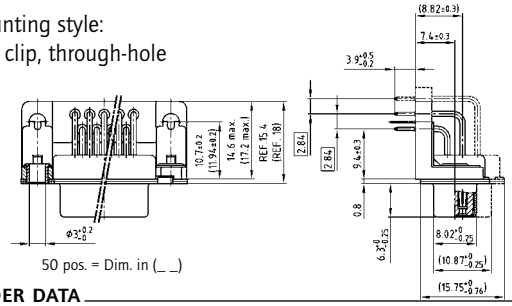
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 +0.13
15	39.52	24.79	33.30 +0.15 +0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 +0.11

PCB layout: Kat1kGGA

Mounting style:
PCB clip, threaded insert

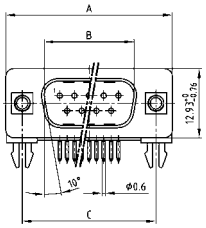


Mounting style:
PCB clip, through-hole



50 pos. = Dim. in (_ _)

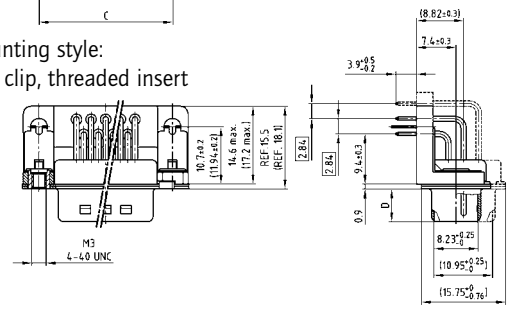
PLUG CONNECTOR



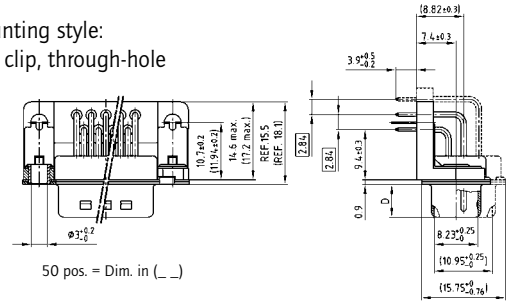
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 +0.13	6.12
15	39.52	25.12	33.30 +0.15 +0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 +0.11	5.99

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	242 A 17020 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 17030 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 17040 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 17050 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 24020 X
09	PCB clip / M3 Threaded insert	242 A 17060 X
15	PCB clip / M3 Threaded insert	242 A 17070 X
25	PCB clip / M3 Threaded insert	242 A 17080 X
37	PCB clip / M3 Threaded insert	242 A 17090 X
50	PCB clip / M3 Threaded insert	242 A 24060 X
09	PCB clip / Through-hole	242 A 16980 X
15	PCB clip / Through-hole	242 A 16990 X
25	PCB clip / Through-hole	242 A 17000 X
37	PCB clip / Through-hole	242 A 17010 X
50	PCB clip / Through-hole	242 A 23980 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 19640 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 19650 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 19660 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 19670 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 24120 X
09	PCB clip / M3 Threaded insert	241 A 19680 X
15	PCB clip / M3 Threaded insert	241 A 19690 X
25	PCB clip / M3 Threaded insert	241 A 19700 X
37	PCB clip / M3 Threaded insert	241 A 19710 X
50	PCB clip / M3 Threaded insert	241 A 24160 X
09	PCB clip / Through-hole	241 A 19600 X
15	PCB clip / Through-hole	241 A 19610 X
25	PCB clip / Through-hole	241 A 19620 X
37	PCB clip / Through-hole	241 A 19630 X
50	PCB clip / Through-hole	241 A 24080 X

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

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 12820 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 12830 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 12840 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 12850 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 24030 X
09	PCB clip / M3 Threaded insert	242 A 12940 X
15	PCB clip / M3 Threaded insert	242 A 12950 X
25	PCB clip / M3 Threaded insert	242 A 12960 X
37	PCB clip / M3 Threaded insert	242 A 12970 X
50	PCB clip / M3 Threaded insert	242 A 24070 X
09	PCB clip / Through-hole	242 A 12700 X
15	PCB clip / Through-hole	242 A 12710 X
25	PCB clip / Through-hole	242 A 12720 X
37	PCB clip / Through-hole	242 A 12730 X
50	PCB clip / Through-hole	242 A 23990 X

Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 12800 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 12810 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 12820 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 12830 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 24130 X
09	PCB clip / M3 Threaded insert	241 A 12920 X
15	PCB clip / M3 Threaded insert	241 A 12930 X
25	PCB clip / M3 Threaded insert	241 A 12940 X
37	PCB clip / M3 Threaded insert	241 A 12950 X
50	PCB clip / M3 Threaded insert	241 A 24170 X
09	PCB clip / Through-hole	241 A 12680 X
15	PCB clip / Through-hole	241 A 12690 X
25	PCB clip / Through-hole	241 A 12700 X
37	PCB clip / Through-hole	241 A 12710 X
50	PCB clip / Through-hole	241 A 24090 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 12900 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 12910 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 12920 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 12930 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 24040 X
09	PCB clip / M3 Threaded insert	242 A 13020 X
15	PCB clip / M3 Threaded insert	242 A 13030 X
25	PCB clip / M3 Threaded insert	242 A 13040 X
37	PCB clip / M3 Threaded insert	242 A 13050 X
50	PCB clip / M3 Threaded insert	242 A 24080 X
09	PCB clip / Through-hole	242 A 12780 X
15	PCB clip / Through-hole	242 A 12790 X
25	PCB clip / Through-hole	242 A 12800 X
37	PCB clip / Through-hole	242 A 12810 X
50	PCB clip / Through-hole	242 A 24000 X

Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 12880 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 12890 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 12900 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 12910 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 24140 X
09	PCB clip / M3 Threaded insert	241 A 13000 X
15	PCB clip / M3 Threaded insert	241 A 13010 X
25	PCB clip / M3 Threaded insert	241 A 13020 X
37	PCB clip / M3 Threaded insert	241 A 13030 X
50	PCB clip / M3 Threaded insert	241 A 24180 X
09	PCB clip / Through-hole	241 A 12760 X
15	PCB clip / Through-hole	241 A 12770 X
25	PCB clip / Through-hole	241 A 12780 X
37	PCB clip / Through-hole	241 A 12790 X
50	PCB clip / Through-hole	242 A 24100 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 12860 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 12870 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 12880 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 12890 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 24050 X
09	PCB clip / M3 Threaded insert	242 A 12980 X
15	PCB clip / M3 Threaded insert	242 A 12990 X
25	PCB clip / M3 Threaded insert	242 A 13000 X
37	PCB clip / M3 Threaded insert	242 A 13010 X
50	PCB clip / M3 Threaded insert	242 A 24090 X
09	PCB clip / Through-hole	242 A 12740 X
15	PCB clip / Through-hole	242 A 12750 X
25	PCB clip / Through-hole	242 A 12760 X
37	PCB clip / Through-hole	242 A 12770 X
50	PCB clip / Through-hole	242 A 24010 X

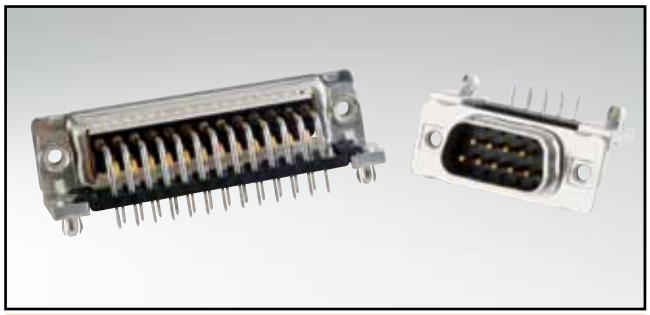
Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 12840 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 12850 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 12860 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 12870 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 24150 X
09	PCB clip / M3 Threaded insert	241 A 12960 X
15	PCB clip / M3 Threaded insert	241 A 12970 X
25	PCB clip / M3 Threaded insert	241 A 12980 X
37	PCB clip / M3 Threaded insert	241 A 12990 X
50	PCB clip / M3 Threaded insert	241 A 24190 X
09	PCB clip / Through-hole	241 A 12720 X
15	PCB clip / Through-hole	241 A 12730 X
25	PCB clip / Through-hole	241 A 12740 X
37	PCB clip / Through-hole	241 A 12750 X
50	PCB clip / Through-hole	241 A 24110 X

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

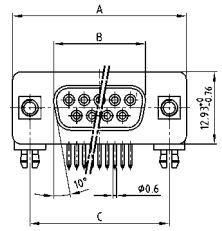


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

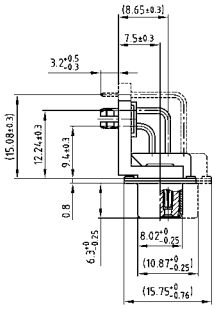
- Mounting styles:
  - Mounting bracket with PCB clip and 4-40 UNC or M3 threaded insert
  - Mounting bracket with PCB clip and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

SOCKET CONNECTOR

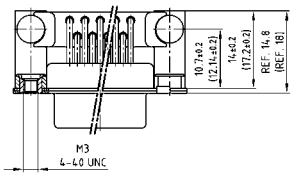


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 +0.13
15	39.52	24.79	33.30 +0.15 +0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13
50	67.31	52.55	61.10 +0.14 +0.11

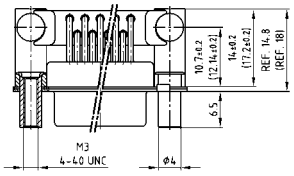
PCB layout: Kat1kGGA



Mounting style:
PCB clip, threaded insert

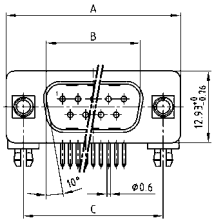


Mounting style:
PCB clip, front spacer



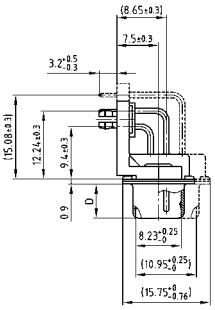
50 pos. = Dim. in (_ _)

PLUG CONNECTOR

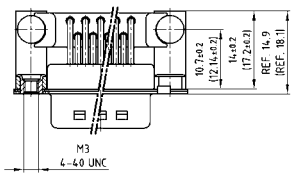


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 +0.13	6.12
15	39.52	25.12	33.30 +0.15 +0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99
50	67.31	52.68	61.10 +0.14 +0.11	5.99

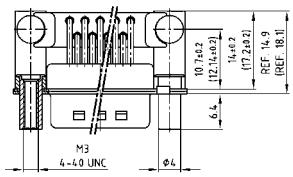
PCB layout: Kat1kGHA



Mounting style:
PCB clip, threaded insert



Mounting style:
PCB clip, 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	242 A 21410 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 21420 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 21430 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 21440 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 27220 X
09	PCB clip / M3 Threaded insert	242 A 21570 X
15	PCB clip / M3 Threaded insert	242 A 21580 X
25	PCB clip / M3 Threaded insert	242 A 21590 X
37	PCB clip / M3 Threaded insert	242 A 21600 X
50	PCB clip / M3 Threaded insert	242 A 27260 X
09	PCB clip / 4-40 UNC Front spacer	242 A 22400 X
15	PCB clip / 4-40 UNC Front spacer	242 A 22410 X
25	PCB clip / 4-40 UNC Front spacer	242 A 22420 X
37	PCB clip / 4-40 UNC Front spacer	242 A 22430 X
50	PCB clip / 4-40 UNC Front spacer	242 A 27300 X
09	PCB clip / M3 Front spacer	242 A 22560 X
15	PCB clip / M3 Front spacer	242 A 22570 X
25	PCB clip / M3 Front spacer	242 A 22580 X
37	PCB clip / M3 Front spacer	242 A 22590 X
50	PCB clip / M3 Front spacer	242 A 27340 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 21560 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 21570 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 21580 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 21590 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 27320 X
09	PCB clip / M3 Threaded insert	241 A 21720 X
15	PCB clip / M3 Threaded insert	241 A 21730 X
25	PCB clip / M3 Threaded insert	241 A 21740 X
37	PCB clip / M3 Threaded insert	241 A 21750 X
50	PCB clip / M3 Threaded insert	241 A 27360 X
09	PCB clip / 4-40 UNC Front spacer	241 A 22500 X
15	PCB clip / 4-40 UNC Front spacer	241 A 22510 X
25	PCB clip / 4-40 UNC Front spacer	241 A 22520 X
37	PCB clip / 4-40 UNC Front spacer	241 A 22530 X
50	PCB clip / 4-40 UNC Front spacer	241 A 27400 X
09	PCB clip / M3 Front spacer	241 A 22660 X
15	PCB clip / M3 Front spacer	241 A 22670 X
25	PCB clip / M3 Front spacer	241 A 22680 X
37	PCB clip / M3 Front spacer	241 A 22690 X
50	PCB clip / M3 Front spacer	241 A 27440 X

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

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 21450 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 21460 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 21470 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 21480 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 27230 X
09	PCB clip / M3 Threaded insert	242 A 21610 X
15	PCB clip / M3 Threaded insert	242 A 21620 X
25	PCB clip / M3 Threaded insert	242 A 21630 X
37	PCB clip / M3 Threaded insert	242 A 21640 X
50	PCB clip / M3 Threaded insert	242 A 27270 X
09	PCB clip / 4-40 UNC Front spacer	242 A 22440 X
15	PCB clip / 4-40 UNC Front spacer	242 A 22450 X
25	PCB clip / 4-40 UNC Front spacer	242 A 22460 X
37	PCB clip / 4-40 UNC Front spacer	242 A 22470 X
50	PCB clip / 4-40 UNC Front spacer	242 A 27310 X
09	PCB clip / M3 Front spacer	242 A 22600 X
15	PCB clip / M3 Front spacer	242 A 22610 X
25	PCB clip / M3 Front spacer	242 A 22620 X
37	PCB clip / M3 Front spacer	242 A 22630 X
50	PCB clip / M3 Front spacer	242 A 27350 X

Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 21600 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 21610 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 21620 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 21630 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 27330 X
09	PCB clip / M3 Threaded insert	241 A 21760 X
15	PCB clip / M3 Threaded insert	241 A 21770 X
25	PCB clip / M3 Threaded insert	241 A 21780 X
37	PCB clip / M3 Threaded insert	241 A 21790 X
50	PCB clip / M3 Threaded insert	241 A 27370 X
09	PCB clip / 4-40 UNC Front spacer	241 A 22540 X
15	PCB clip / 4-40 UNC Front spacer	241 A 22550 X
25	PCB clip / 4-40 UNC Front spacer	241 A 22560 X
37	PCB clip / 4-40 UNC Front spacer	241 A 22570 X
50	PCB clip / 4-40 UNC Front spacer	241 A 27410 X
09	PCB clip / M3 Front spacer	241 A 22700 X
15	PCB clip / M3 Front spacer	241 A 22710 X
25	PCB clip / M3 Front spacer	241 A 22720 X
37	PCB clip / M3 Front spacer	241 A 22730 X
50	PCB clip / M3 Front spacer	241 A 27450 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 21490 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 21500 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 21510 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 21520 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 27240 X
09	PCB clip / M3 Threaded insert	242 A 21650 X
15	PCB clip / M3 Threaded insert	242 A 21660 X
25	PCB clip / M3 Threaded insert	242 A 21670 X
37	PCB clip / M3 Threaded insert	242 A 21680 X
50	PCB clip / M3 Threaded insert	242 A 27280 X
09	PCB clip / 4-40 UNC Front spacer	242 A 22480 X
15	PCB clip / 4-40 UNC Front spacer	242 A 22490 X
25	PCB clip / 4-40 UNC Front spacer	242 A 22500 X
37	PCB clip / 4-40 UNC Front spacer	242 A 22510 X
50	PCB clip / 4-40 UNC Front spacer	242 A 27320 X
09	PCB clip / M3 Front spacer	242 A 22640 X
15	PCB clip / M3 Front spacer	242 A 22650 X
25	PCB clip / M3 Front spacer	242 A 22660 X
37	PCB clip / M3 Front spacer	242 A 22670 X
50	PCB clip / M3 Front spacer	242 A 27360 X

Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 21640 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 21650 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 21660 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 21670 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 27340 X
09	PCB clip / M3 Threaded insert	241 A 21800 X
15	PCB clip / M3 Threaded insert	241 A 21810 X
25	PCB clip / M3 Threaded insert	241 A 21820 X
37	PCB clip / M3 Threaded insert	241 A 21830 X
50	PCB clip / M3 Threaded insert	241 A 27380 X
09	PCB clip / 4-40 UNC Front spacer	241 A 22580 X
15	PCB clip / 4-40 UNC Front spacer	241 A 22590 X
25	PCB clip / 4-40 UNC Front spacer	241 A 22600 X
37	PCB clip / 4-40 UNC Front spacer	241 A 22610 X
50	PCB clip / 4-40 UNC Front spacer	241 A 27420 X
09	PCB clip / M3 Front spacer	241 A 22740 X
15	PCB clip / M3 Front spacer	241 A 22750 X
25	PCB clip / M3 Front spacer	241 A 22760 X
37	PCB clip / M3 Front spacer	241 A 22770 X
50	PCB clip / M3 Front spacer	241 A 27460 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	242 A 21530 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 21540 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 21550 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 21560 X
50	PCB clip / 4-40 UNC Threaded insert	242 A 27250 X
09	PCB clip / M3 Threaded insert	242 A 21690 X
15	PCB clip / M3 Threaded insert	242 A 21700 X
25	PCB clip / M3 Threaded insert	242 A 21710 X
37	PCB clip / M3 Threaded insert	242 A 21720 X
50	PCB clip / M3 Threaded insert	242 A 27290 X
09	PCB clip / 4-40 UNC Front spacer	242 A 22520 X
15	PCB clip / 4-40 UNC Front spacer	242 A 22530 X
25	PCB clip / 4-40 UNC Front spacer	242 A 22540 X
37	PCB clip / 4-40 UNC Front spacer	242 A 22550 X
50	PCB clip / 4-40 UNC Front spacer	242 A 27330 X
09	PCB clip / M3 Front spacer	242 A 22680 X
15	PCB clip / M3 Front spacer	242 A 22690 X
25	PCB clip / M3 Front spacer	242 A 22700 X
37	PCB clip / M3 Front spacer	242 A 22710 X
50	PCB clip / M3 Front spacer	242 A 27370 X

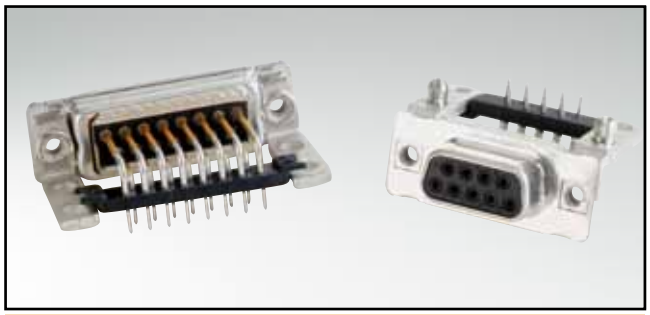
Plug connector

No. of pos.	Mounting style	Part Number
09	PCB clip / 4-40 UNC Threaded insert	241 A 21680 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 21690 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 21700 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 21710 X
50	PCB clip / 4-40 UNC Threaded insert	241 A 27350 X
09	PCB clip / M3 Threaded insert	241 A 21840 X
15	PCB clip / M3 Threaded insert	241 A 21850 X
25	PCB clip / M3 Threaded insert	241 A 21860 X
37	PCB clip / M3 Threaded insert	241 A 21870 X
50	PCB clip / M3 Threaded insert	241 A 27390 X
09	PCB clip / 4-40 UNC Front spacer	241 A 22620 X
15	PCB clip / 4-40 UNC Front spacer	241 A 22630 X
25	PCB clip / 4-40 UNC Front spacer	241 A 22640 X
37	PCB clip / 4-40 UNC Front spacer	241 A 22650 X
50	PCB clip / 4-40 UNC Front spacer	241 A 27430 X
09	PCB clip / M3 Front spacer	241 A 22780 X
15	PCB clip / M3 Front spacer	241 A 22790 X
25	PCB clip / M3 Front spacer	241 A 22800 X
37	PCB clip / M3 Front spacer	241 A 22810 X
50	PCB clip / M3 Front spacer	241 A 27470 X

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

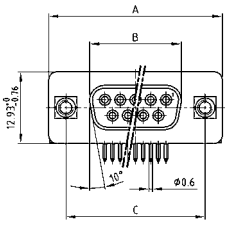


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

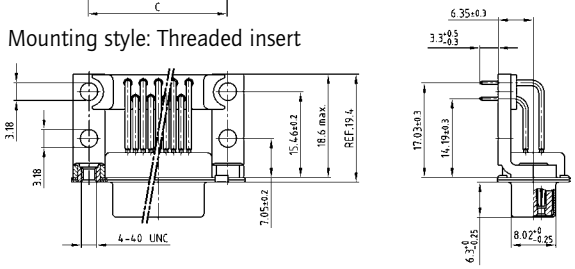
SOCKET CONNECTOR



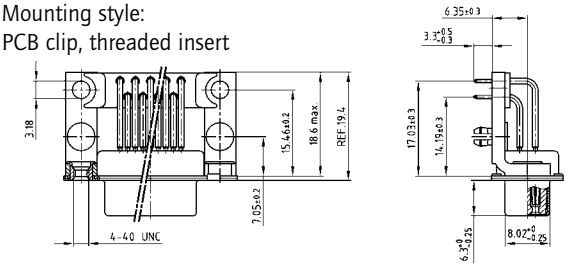
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGIA

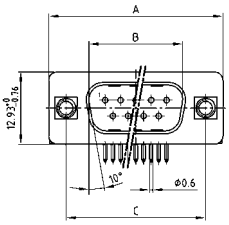
Mounting style: Threaded insert



Mounting style:
PCB clip, threaded insert



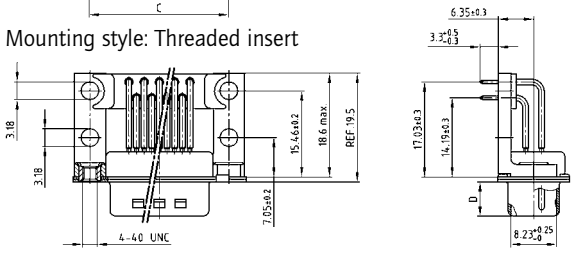
PLUG CONNECTOR



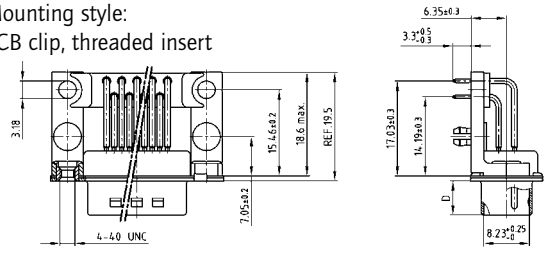
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

PCB layout: 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	242 A 17260 X
15	Threaded insert	242 A 17270 X
25	Threaded insert	242 A 17280 X
37	Threaded insert	242 A 17290 X
09	PCB clip / Threaded insert	242 A 19290 X
15	PCB clip / Threaded insert	242 A 19300 X
25	PCB clip / Threaded insert	242 A 19310 X
37	PCB clip / Threaded insert	242 A 19320 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 19880 X
15	Threaded insert	241 A 19890 X
25	Threaded insert	241 A 19900 X
37	Threaded insert	241 A 19910 X
09	PCB clip / Threaded insert	241 A 17700 X
15	PCB clip / Threaded insert	241 A 17710 X
25	PCB clip / Threaded insert	241 A 17720 X
37	PCB clip / Threaded insert	241 A 17730 X

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

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12580 X
15	Threaded insert	242 A 12590 X
25	Threaded insert	242 A 12600 X
37	Threaded insert	242 A 12610 X
09	PCB clip / Threaded insert	242 A 19250 X
15	PCB clip / Threaded insert	242 A 19260 X
25	PCB clip / Threaded insert	242 A 19270 X
37	PCB clip / Threaded insert	242 A 19280 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12560 X
15	Threaded insert	241 A 12570 X
25	Threaded insert	241 A 12580 X
37	Threaded insert	241 A 12590 X
09	PCB clip / Threaded insert	241 A 17660 X
15	PCB clip / Threaded insert	241 A 17670 X
25	PCB clip / Threaded insert	241 A 17680 X
37	PCB clip / Threaded insert	241 A 17690 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12660 X
15	Threaded insert	242 A 12670 X
25	Threaded insert	242 A 12680 X
37	Threaded insert	242 A 12690 X
09	PCB clip / Threaded insert	242 A 19210 X
15	PCB clip / Threaded insert	242 A 19220 X
25	PCB clip / Threaded insert	242 A 19230 X
37	PCB clip / Threaded insert	242 A 19240 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12640 X
15	Threaded insert	241 A 12650 X
25	Threaded insert	241 A 12660 X
37	Threaded insert	241 A 12670 X
09	PCB clip / Threaded insert	241 A 17620 X
15	PCB clip / Threaded insert	241 A 17630 X
25	PCB clip / Threaded insert	241 A 17640 X
37	PCB clip / Threaded insert	241 A 17650 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 12620 X
15	Threaded insert	242 A 12630 X
25	Threaded insert	242 A 12640 X
37	Threaded insert	242 A 12650 X
09	PCB clip / Threaded insert	242 A 19170 X
15	PCB clip / Threaded insert	242 A 19180 X
25	PCB clip / Threaded insert	242 A 19190 X
37	PCB clip / Threaded insert	242 A 19200 X

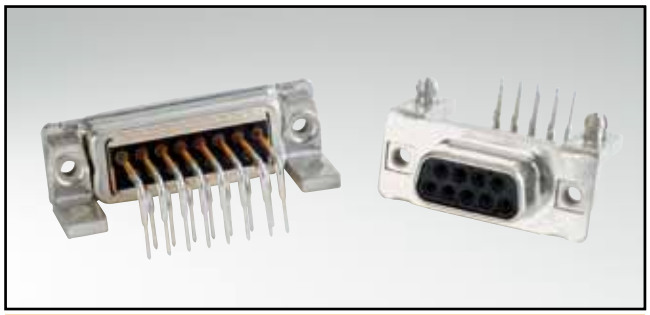
Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 12600 X
15	Threaded insert	241 A 12610 X
25	Threaded insert	241 A 12620 X
37	Threaded insert	241 A 12630 X
09	PCB clip / Threaded insert	241 A 17580 X
15	PCB clip / Threaded insert	241 A 17590 X
25	PCB clip / Threaded insert	241 A 17600 X
37	PCB clip / Threaded insert	241 A 17610 X

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

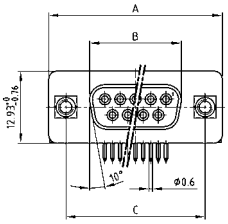


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

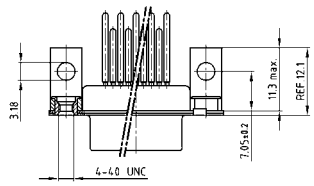
SOCKET CONNECTOR

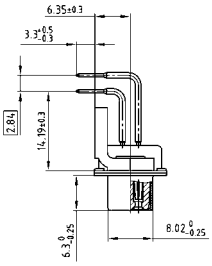


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

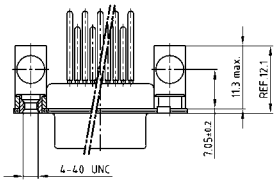
PCB layout: Kat1kGXA

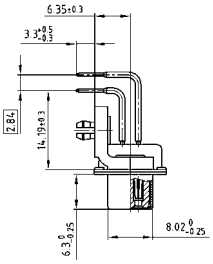
Mounting style: Threaded insert



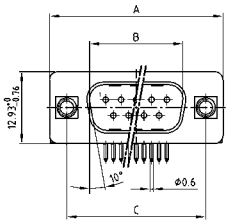


Mounting style:
PCB clip, threaded insert





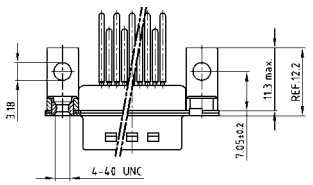
PLUG CONNECTOR

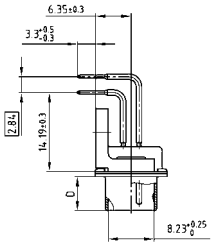


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

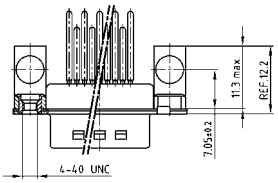
PCB layout: Kat1kGYA

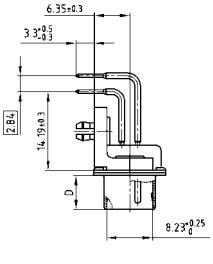
Mounting style: Threaded insert





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	242 A 20290 X
15	Threaded insert	242 A 20300 X
25	Threaded insert	242 A 20310 X
37	Threaded insert	242 A 20320 X
09	PCB clip / Threaded insert	242 A 20450 X
15	PCB clip / Threaded insert	242 A 20460 X
25	PCB clip / Threaded insert	242 A 20470 X
37	PCB clip / Threaded insert	242 A 20480 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 20440 X
15	Threaded insert	241 A 20450 X
25	Threaded insert	241 A 20460 X
37	Threaded insert	241 A 20470 X
09	PCB clip / Threaded insert	241 A 20600 X
15	PCB clip / Threaded insert	241 A 20610 X
25	PCB clip / Threaded insert	241 A 20620 X
37	PCB clip / Threaded insert	241 A 20630 X

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

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 20330 X
15	Threaded insert	242 A 20340 X
25	Threaded insert	242 A 20350 X
37	Threaded insert	242 A 20360 X
09	PCB clip / Threaded insert	242 A 20490 X
15	PCB clip / Threaded insert	242 A 20500 X
25	PCB clip / Threaded insert	242 A 20510 X
37	PCB clip / Threaded insert	242 A 20520 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 20480 X
15	Threaded insert	241 A 20490 X
25	Threaded insert	241 A 20500 X
37	Threaded insert	241 A 20510 X
09	PCB clip / Threaded insert	241 A 20640 X
15	PCB clip / Threaded insert	241 A 20650 X
25	PCB clip / Threaded insert	241 A 20660 X
37	PCB clip / Threaded insert	241 A 20670 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 20370 X
15	Threaded insert	242 A 20380 X
25	Threaded insert	242 A 20390 X
37	Threaded insert	242 A 20400 X
09	PCB clip / Threaded insert	242 A 20530 X
15	PCB clip / Threaded insert	242 A 20540 X
25	PCB clip / Threaded insert	242 A 20550 X
37	PCB clip / Threaded insert	242 A 20560 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 20520 X
15	Threaded insert	241 A 20530 X
25	Threaded insert	241 A 20540 X
37	Threaded insert	241 A 20550 X
09	PCB clip / Threaded insert	241 A 20680 X
15	PCB clip / Threaded insert	241 A 20690 X
25	PCB clip / Threaded insert	241 A 20700 X
37	PCB clip / Threaded insert	241 A 20710 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 20410 X
15	Threaded insert	242 A 20420 X
25	Threaded insert	242 A 20430 X
37	Threaded insert	242 A 20440 X
09	PCB clip / Threaded insert	242 A 20570 X
15	PCB clip / Threaded insert	242 A 20580 X
25	PCB clip / Threaded insert	242 A 20590 X
37	PCB clip / Threaded insert	242 A 20600 X

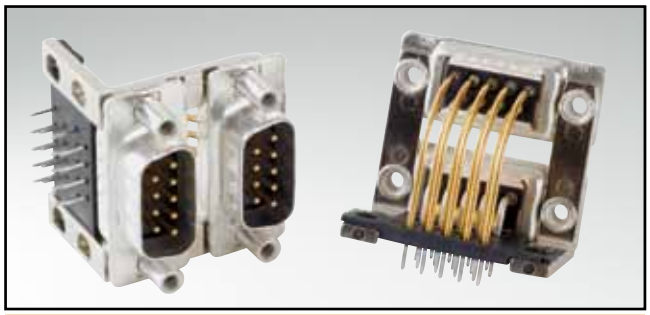
Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 20560 X
15	Threaded insert	241 A 20570 X
25	Threaded insert	241 A 20580 X
37	Threaded insert	241 A 20590 X
09	PCB clip / Threaded insert	241 A 20720 X
15	PCB clip / Threaded insert	241 A 20730 X
25	PCB clip / Threaded insert	241 A 20740 X
37	PCB clip / Threaded insert	241 A 20750 X

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

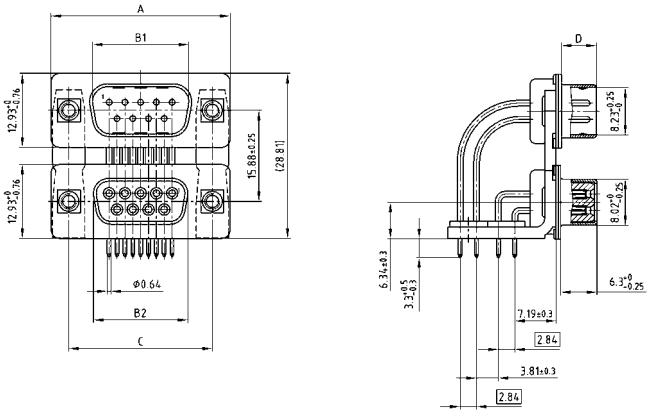


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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

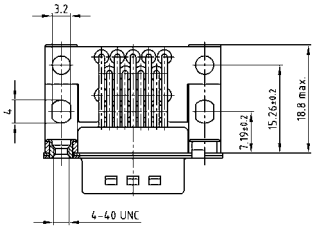


No. of pos.	A -0.76	B1 +0.25	B2 -0.25	C	D -0.30
2X 09	31.19	16.79	16.46	25.00 +0.12 -0.13	6.12
2X 15	39.52	25.12	24.79	33.30 +0.15 -0.10	6.12
2X 25	53.42	38.84	38.50	47.04 ±0.13	5.99
2X 37	69.70	55.30	54.96	63.50 ±0.13	5.99

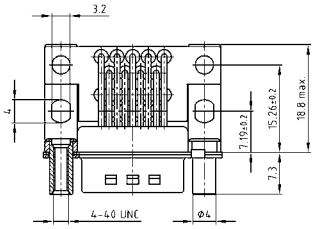
Graphically representation of only one variant!

PCB layout: Kat1iU5A / Kat1iU6A

Mounting style: Threaded insert

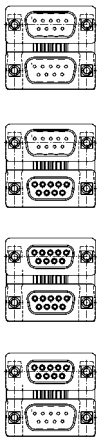


Mounting style: Front spacer



Order data

Capacitance 180 pF



Version with 4-40 UNC Threaded insert

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 22300 X
15/15	Plug upper / Plug bottom	241 A 22310 X
25/25	Plug upper / Plug bottom	241 A 22320 X
37/37	Plug upper / Plug bottom	241 A 22330 X
09/09	Plug upper / Socket bottom	241 A 22340 X
15/15	Plug upper / Socket bottom	241 A 22350 X
25/25	Plug upper / Socket bottom	241 A 22360 X
37/37	Plug upper / Socket bottom	241 A 22370 X
09/09	Socket upper / Socket bottom	242 A 22000 X
15/15	Socket upper / Socket bottom	242 A 22010 X
25/25	Socket upper / Socket bottom	242 A 22020 X
37/37	Socket upper / Socket bottom	242 A 22030 X
09/09	Socket upper / Plug bottom	242 A 22040 X
15/15	Socket upper / Plug bottom	242 A 22050 X
25/25	Socket upper / Plug bottom	242 A 22060 X
37/37	Socket upper / Plug bottom	242 A 22070 X

Version with 4-40 UNC Front spacer

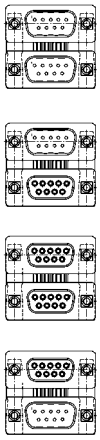
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 17420 X
15/15	Plug upper / Plug bottom	241 A 17430 X
25/25	Plug upper / Plug bottom	241 A 17440 X
37/37	Plug upper / Plug bottom	241 A 17450 X
09/09	Plug upper / Socket bottom	241 A 17460 X
15/15	Plug upper / Socket bottom	241 A 17470 X
25/25	Plug upper / Socket bottom	241 A 17480 X
37/37	Plug upper / Socket bottom	241 A 17490 X
09/09	Socket upper / Socket bottom	242 A 22080 X
15/15	Socket upper / Socket bottom	242 A 22090 X
25/25	Socket upper / Socket bottom	242 A 22100 X
37/37	Socket upper / Socket bottom	242 A 22110 X
09/09	Socket upper / Plug bottom	242 A 22120 X
15/15	Socket upper / Plug bottom	242 A 22130 X
25/25	Socket upper / Plug bottom	242 A 22140 X
37/37	Socket upper / Plug bottom	242 A 22150 X

C-Filter D-SUB Standard – Dual port

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

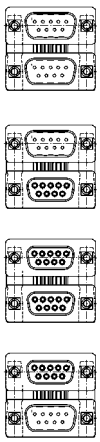
Order data

Capacitance 370 pF



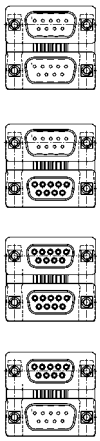
Version with 4-40 UNC Threaded insert			Version with 4-40 UNC Front spacer		
No. of pos.	Design	Part Number	No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14130 X	09/09	Plug upper / Plug bottom	241 A 14370 X
15/15	Plug upper / Plug bottom	241 A 14140 X	15/15	Plug upper / Plug bottom	241 A 14380 X
25/25	Plug upper / Plug bottom	241 A 14150 X	25/25	Plug upper / Plug bottom	241 A 14390 X
37/37	Plug upper / Plug bottom	241 A 14160 X	37/37	Plug upper / Plug bottom	241 A 14400 X
09/09	Plug upper / Socket bottom	241 A 14250 X	09/09	Plug upper / Socket bottom	241 A 14490 X
15/15	Plug upper / Socket bottom	241 A 14260 X	15/15	Plug upper / Socket bottom	241 A 14500 X
25/25	Plug upper / Socket bottom	241 A 14270 X	25/25	Plug upper / Socket bottom	241 A 14510 X
37/37	Plug upper / Socket bottom	241 A 14280 X	37/37	Plug upper / Socket bottom	241 A 14520 X
09/09	Socket upper / Socket bottom	242 A 14020 X	09/09	Socket upper / Socket bottom	242 A 14260 X
15/15	Socket upper / Socket bottom	242 A 14030 X	15/15	Socket upper / Socket bottom	242 A 14270 X
25/25	Socket upper / Socket bottom	242 A 14040 X	25/25	Socket upper / Socket bottom	242 A 14280 X
37/37	Socket upper / Socket bottom	242 A 14050 X	37/37	Socket upper / Socket bottom	242 A 14290 X
09/09	Socket upper / Plug bottom	242 A 14140 X	09/09	Socket upper / Plug bottom	242 A 14380 X
15/15	Socket upper / Plug bottom	242 A 14150 X	15/15	Socket upper / Plug bottom	242 A 14390 X
25/25	Socket upper / Plug bottom	242 A 14160 X	25/25	Socket upper / Plug bottom	242 A 14400 X
37/37	Socket upper / Plug bottom	242 A 14170 X	37/37	Socket upper / Plug bottom	242 A 14410 X

Capacitance 830 pF



Version with 4-40 UNC Threaded insert			Version with 4-40 UNC Front spacer		
No. of pos.	Design	Part Number	No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14210 X	09/09	Plug upper / Plug bottom	241 A 14450 X
15/15	Plug upper / Plug bottom	241 A 14220 X	15/15	Plug upper / Plug bottom	241 A 14460 X
25/25	Plug upper / Plug bottom	241 A 14230 X	25/25	Plug upper / Plug bottom	241 A 14470 X
37/37	Plug upper / Plug bottom	241 A 14240 X	37/37	Plug upper / Plug bottom	241 A 14480 X
09/09	Plug upper / Socket bottom	241 A 14330 X	09/09	Plug upper / Socket bottom	241 A 14570 X
15/15	Plug upper / Socket bottom	241 A 14340 X	15/15	Plug upper / Socket bottom	241 A 14580 X
25/25	Plug upper / Socket bottom	241 A 14350 X	25/25	Plug upper / Socket bottom	241 A 14590 X
37/37	Plug upper / Socket bottom	241 A 14360 X	37/37	Plug upper / Socket bottom	241 A 14600 X
09/09	Socket upper / Socket bottom	242 A 14100 X	09/09	Socket upper / Socket bottom	242 A 14340 X
15/15	Socket upper / Socket bottom	242 A 14110 X	15/15	Socket upper / Socket bottom	242 A 14350 X
25/25	Socket upper / Socket bottom	242 A 14120 X	25/25	Socket upper / Socket bottom	242 A 14360 X
37/37	Socket upper / Socket bottom	242 A 14130 X	37/37	Socket upper / Socket bottom	242 A 14370 X
09/09	Socket upper / Plug bottom	242 A 14220 X	09/09	Socket upper / Plug bottom	242 A 14460 X
15/15	Socket upper / Plug bottom	242 A 14230 X	15/15	Socket upper / Plug bottom	242 A 14470 X
25/25	Socket upper / Plug bottom	242 A 14240 X	25/25	Socket upper / Plug bottom	242 A 14480 X
37/37	Socket upper / Plug bottom	242 A 14250 X	37/37	Socket upper / Plug bottom	242 A 14490 X

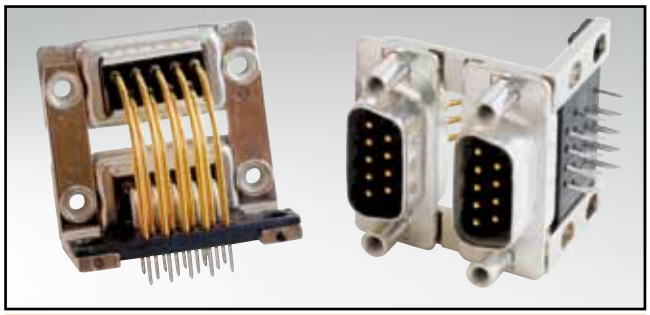
Capacitance 1300 pF



Version with 4-40 UNC Threaded insert			Version with 4-40 UNC Front spacer		
No. of pos.	Design	Part Number	No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14170 X	09/09	Plug upper / Plug bottom	241 A 14410 X
15/15	Plug upper / Plug bottom	241 A 14180 X	15/15	Plug upper / Plug bottom	241 A 14420 X
25/25	Plug upper / Plug bottom	241 A 14190 X	25/25	Plug upper / Plug bottom	241 A 14430 X
37/37	Plug upper / Plug bottom	241 A 14200 X	37/37	Plug upper / Plug bottom	241 A 14440 X
09/09	Plug upper / Socket bottom	241 A 14290 X	09/09	Plug upper / Socket bottom	241 A 14530 X
15/15	Plug upper / Socket bottom	241 A 14300 X	15/15	Plug upper / Socket bottom	241 A 14540 X
25/25	Plug upper / Socket bottom	241 A 14310 X	25/25	Plug upper / Socket bottom	241 A 14550 X
37/37	Plug upper / Socket bottom	241 A 14320 X	37/37	Plug upper / Socket bottom	241 A 14560 X
09/09	Socket upper / Socket bottom	242 A 14060 X	09/09	Socket upper / Socket bottom	242 A 14300 X
15/15	Socket upper / Socket bottom	242 A 14070 X	15/15	Socket upper / Socket bottom	242 A 14310 X
25/25	Socket upper / Socket bottom	242 A 14080 X	25/25	Socket upper / Socket bottom	242 A 14320 X
37/37	Socket upper / Socket bottom	242 A 14090 X	37/37	Socket upper / Socket bottom	242 A 14330 X
09/09	Socket upper / Plug bottom	242 A 14180 X	09/09	Socket upper / Plug bottom	242 A 14420 X
15/15	Socket upper / Plug bottom	242 A 14190 X	15/15	Socket upper / Plug bottom	242 A 14430 X
25/25	Socket upper / Plug bottom	242 A 14200 X	25/25	Socket upper / Plug bottom	242 A 14440 X
37/37	Socket upper / Plug bottom	242 A 14210 X	37/37	Socket upper / Plug bottom	242 A 14450 X

C-Filter D-SUB Standard – Dual port

Solder pin – Angled – Precision machined contacts – .780" / 19.05 mm connector spacing

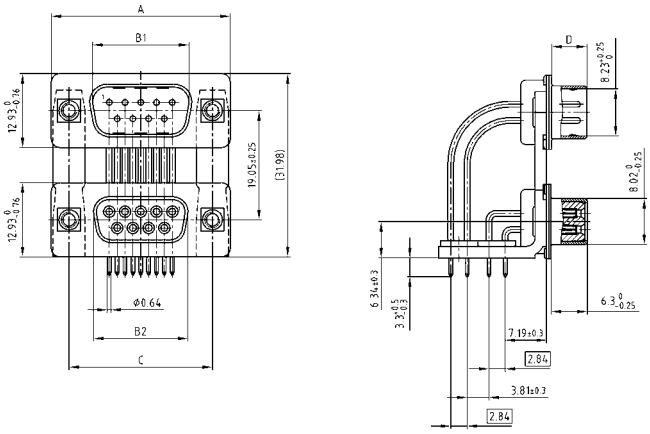


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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

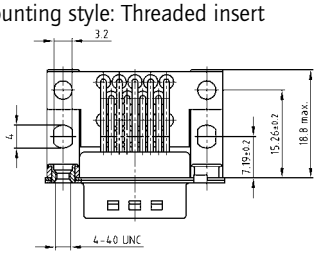


No. of pos.	A -0.76	B1 +0.25	B2 -0.25	C	D -0.30
2X 09	31.19	16.79	16.46	25.00 +0.12 -0.13	6.12
2X 15	39.52	25.12	24.79	33.30 +0.15 -0.10	6.12
2X 25	53.42	38.84	38.50	47.04 ±0.13	5.99
2X 37	69.70	55.30	54.96	63.50 ±0.13	5.99

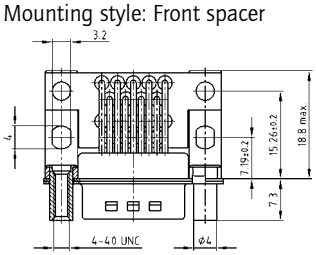
Graphically representation of only one variant!

PCB layout: Kat1iU5A / Kat1iU6A

Mounting style: Threaded insert

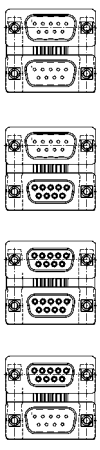


Mounting style: Front spacer



Order data

Capacitance 180 pF



Version with 4-40 UNC Threaded insert

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 17500 X
15/15	Plug upper / Plug bottom	241 A 17510 X
25/25	Plug upper / Plug bottom	241 A 17520 X
37/37	Plug upper / Plug bottom	241 A 17530 X
09/09	Plug upper / Socket bottom	241 A 17540 X
15/15	Plug upper / Socket bottom	241 A 17550 X
25/25	Plug upper / Socket bottom	241 A 17560 X
37/37	Plug upper / Socket bottom	241 A 17570 X
09/09	Socket upper / Socket bottom	242 A 22160 X
15/15	Socket upper / Socket bottom	242 A 22170 X
25/25	Socket upper / Socket bottom	242 A 22180 X
37/37	Socket upper / Socket bottom	242 A 22190 X
09/09	Socket upper / Plug bottom	242 A 22200 X
15/15	Socket upper / Plug bottom	242 A 22210 X
25/25	Socket upper / Plug bottom	242 A 22220 X
37/37	Socket upper / Plug bottom	242 A 22230 X

Version with 4-40 UNC Front spacer

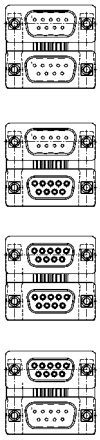
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 22380 X
15/15	Plug upper / Plug bottom	241 A 22390 X
25/25	Plug upper / Plug bottom	241 A 22400 X
37/37	Plug upper / Plug bottom	241 A 22410 X
09/09	Plug upper / Socket bottom	241 A 22420 X
15/15	Plug upper / Socket bottom	241 A 22430 X
25/25	Plug upper / Socket bottom	241 A 22440 X
37/37	Plug upper / Socket bottom	241 A 22450 X
09/09	Socket upper / Socket bottom	242 A 22240 X
15/15	Socket upper / Socket bottom	242 A 22250 X
25/25	Socket upper / Socket bottom	242 A 22260 X
37/37	Socket upper / Socket bottom	242 A 22270 X
09/09	Socket upper / Plug bottom	242 A 22280 X
15/15	Socket upper / Plug bottom	242 A 22290 X
25/25	Socket upper / Plug bottom	242 A 22300 X
37/37	Socket upper / Plug bottom	242 A 22310 X

C-Filter D-SUB Standard – Dual por

Solder pin – Angled – Precision machined contacts – .780" / 19.05 mm connector spacing

Order data

Capacitance 370 pF



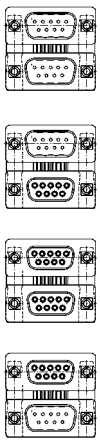
Version with 4-40 UNC Threaded insert

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14610 X
15/15	Plug upper / Plug bottom	241 A 14620 X
25/25	Plug upper / Plug bottom	241 A 14630 X
37/37	Plug upper / Plug bottom	241 A 14640 X
09/09	Plug upper / Socket bottom	241 A 14730 X
15/15	Plug upper / Socket bottom	241 A 14740 X
25/25	Plug upper / Socket bottom	241 A 14750 X
37/37	Plug upper / Socket bottom	241 A 14760 X
09/09	Socket upper / Socket bottom	242 A 14500 X
15/15	Socket upper / Socket bottom	242 A 14510 X
25/25	Socket upper / Socket bottom	242 A 14520 X
37/37	Socket upper / Socket bottom	242 A 14530 X
09/09	Socket upper / Plug bottom	242 A 14620 X
15/15	Socket upper / Plug bottom	242 A 14630 X
25/25	Socket upper / Plug bottom	242 A 14640 X
37/37	Socket upper / Plug bottom	242 A 14650 X

Version with 4-40 UNC Front spacer

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14850 X
15/15	Plug upper / Plug bottom	241 A 14860 X
25/25	Plug upper / Plug bottom	241 A 14870 X
37/37	Plug upper / Plug bottom	241 A 14880 X
09/09	Plug upper / Socket bottom	241 A 14970 X
15/15	Plug upper / Socket bottom	241 A 14980 X
25/25	Plug upper / Socket bottom	241 A 14990 X
37/37	Plug upper / Socket bottom	241 A 15000 X
09/09	Socket upper / Socket bottom	242 A 14740 X
15/15	Socket upper / Socket bottom	242 A 14750 X
25/25	Socket upper / Socket bottom	242 A 14760 X
37/37	Socket upper / Socket bottom	242 A 14770 X
09/09	Socket upper / Plug bottom	242 A 14860 X
15/15	Socket upper / Plug bottom	242 A 14870 X
25/25	Socket upper / Plug bottom	242 A 14880 X
37/37	Socket upper / Plug bottom	242 A 14890 X

Capacitance 830 pF



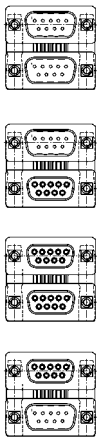
Version with 4-40 UNC Threaded insert

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14690 X
15/15	Plug upper / Plug bottom	241 A 14700 X
25/25	Plug upper / Plug bottom	241 A 14710 X
37/37	Plug upper / Plug bottom	241 A 14720 X
09/09	Plug upper / Socket bottom	241 A 14810 X
15/15	Plug upper / Socket bottom	241 A 14820 X
25/25	Plug upper / Socket bottom	241 A 14830 X
37/37	Plug upper / Socket bottom	241 A 14840 X
09/09	Socket upper / Socket bottom	242 A 14580 X
15/15	Socket upper / Socket bottom	242 A 14590 X
25/25	Socket upper / Socket bottom	242 A 14600 X
37/37	Socket upper / Socket bottom	242 A 14610 X
09/09	Socket upper / Plug bottom	242 A 14700 X
15/15	Socket upper / Plug bottom	242 A 14710 X
25/25	Socket upper / Plug bottom	242 A 14720 X
37/37	Socket upper / Plug bottom	242 A 14730 X

Version with 4-40 UNC Front spacer

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14930 X
15/15	Plug upper / Plug bottom	241 A 14940 X
25/25	Plug upper / Plug bottom	241 A 14950 X
37/37	Plug upper / Plug bottom	241 A 14960 X
09/09	Plug upper / Socket bottom	241 A 15050 X
15/15	Plug upper / Socket bottom	241 A 15060 X
25/25	Plug upper / Socket bottom	241 A 15070 X
37/37	Plug upper / Socket bottom	241 A 15080 X
09/09	Socket upper / Socket bottom	242 A 14820 X
15/15	Socket upper / Socket bottom	242 A 14830 X
25/25	Socket upper / Socket bottom	242 A 14840 X
37/37	Socket upper / Socket bottom	242 A 14850 X
09/09	Socket upper / Plug bottom	242 A 14940 X
15/15	Socket upper / Plug bottom	242 A 14950 X
25/25	Socket upper / Plug bottom	242 A 14960 X
37/37	Socket upper / Plug bottom	242 A 14970 X

Capacitance 1300 pF



Version with 4-40 UNC Threaded insert

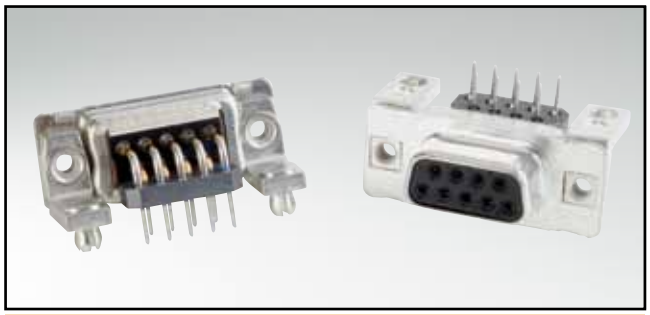
No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14650 X
15/15	Plug upper / Plug bottom	241 A 14660 X
25/25	Plug upper / Plug bottom	241 A 14670 X
37/37	Plug upper / Plug bottom	241 A 14680 X
09/09	Plug upper / Socket bottom	241 A 14770 X
15/15	Plug upper / Socket bottom	241 A 14780 X
25/25	Plug upper / Socket bottom	241 A 14790 X
37/37	Plug upper / Socket bottom	241 A 14800 X
09/09	Socket upper / Socket bottom	242 A 14540 X
15/15	Socket upper / Socket bottom	242 A 14550 X
25/25	Socket upper / Socket bottom	242 A 14560 X
37/37	Socket upper / Socket bottom	242 A 14570 X
09/09	Socket upper / Plug bottom	242 A 14660 X
15/15	Socket upper / Plug bottom	242 A 14670 X
25/25	Socket upper / Plug bottom	242 A 14680 X
37/37	Socket upper / Plug bottom	242 A 14690 X

Version with 4-40 UNC Front spacer

No. of pos.	Design	Part Number
09/09	Plug upper / Plug bottom	241 A 14890 X
15/15	Plug upper / Plug bottom	241 A 14900 X
25/25	Plug upper / Plug bottom	241 A 14910 X
37/37	Plug upper / Plug bottom	241 A 14920 X
09/09	Plug upper / Socket bottom	241 A 15010 X
15/15	Plug upper / Socket bottom	241 A 15020 X
25/25	Plug upper / Socket bottom	241 A 15030 X
37/37	Plug upper / Socket bottom	241 A 15040 X
09/09	Socket upper / Socket bottom	242 A 14780 X
15/15	Socket upper / Socket bottom	242 A 14790 X
25/25	Socket upper / Socket bottom	242 A 14800 X
37/37	Socket upper / Socket bottom	242 A 14810 X
09/09	Socket upper / Plug bottom	242 A 14900 X
15/15	Socket upper / Plug bottom	242 A 14910 X
25/25	Socket upper / Plug bottom	242 A 14920 X
37/37	Socket upper / Plug bottom	242 A 14930 X

LC-FILTER D-SUB STANDARD

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

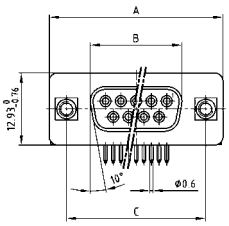


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

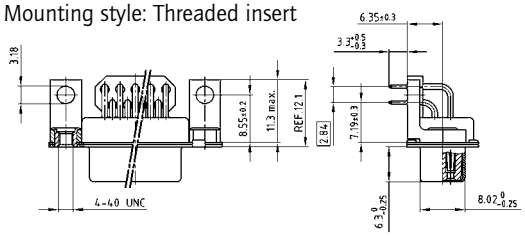
SOCKET CONNECTOR



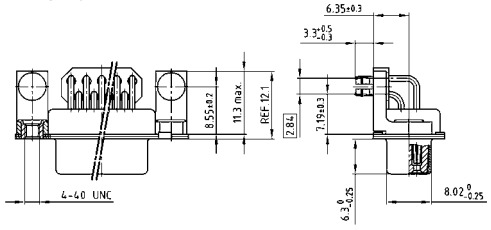
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 $^{+0.12}_{-0.13}$
15	39.52	24.79	33.30 $^{+0.15}_{-0.10}$
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGEA

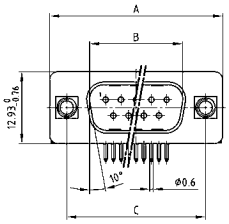
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



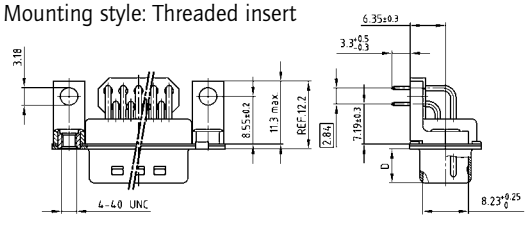
PLUG CONNECTOR



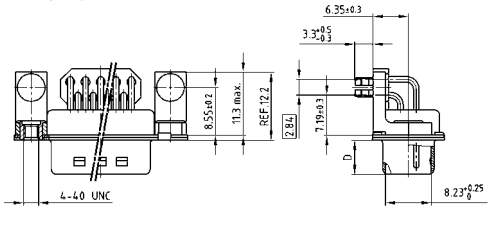
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 $^{+0.12}_{-0.13}$	6.12
15	39.52	25.12	33.30 $^{+0.15}_{-0.10}$	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

PCB layout: 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	242 A 24660 X
15	Threaded insert	242 A 24670 X
25	Threaded insert	242 A 24680 X
37	Threaded insert	242 A 24690 X
09	PCB clip / Threaded insert	242 A 24820 X
15	PCB clip / Threaded insert	242 A 24830 X
25	PCB clip / Threaded insert	242 A 24840 X
37	PCB clip / Threaded insert	242 A 24850 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 24760 X
15	Threaded insert	241 A 24770 X
25	Threaded insert	241 A 24780 X
37	Threaded insert	241 A 24790 X
09	PCB clip / Threaded insert	241 A 24920 X
15	PCB clip / Threaded insert	241 A 24930 X
25	PCB clip / Threaded insert	241 A 24940 X
37	PCB clip / Threaded insert	241 A 24950 X

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

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 24700 X
15	Threaded insert	242 A 24710 X
25	Threaded insert	242 A 24720 X
37	Threaded insert	242 A 24730 X
09	PCB clip / Threaded insert	242 A 24860 X
15	PCB clip / Threaded insert	242 A 24870 X
25	PCB clip / Threaded insert	242 A 24880 X
37	PCB clip / Threaded insert	242 A 24890 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 24800 X
15	Threaded insert	241 A 24810 X
25	Threaded insert	241 A 24820 X
37	Threaded insert	241 A 24830 X
09	PCB clip / Threaded insert	241 A 24960 X
15	PCB clip / Threaded insert	241 A 24970 X
25	PCB clip / Threaded insert	241 A 24980 X
37	PCB clip / Threaded insert	241 A 24990 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 24740 X
15	Threaded insert	242 A 24750 X
25	Threaded insert	242 A 24760 X
37	Threaded insert	242 A 24770 X
09	PCB clip / Threaded insert	242 A 24900 X
15	PCB clip / Threaded insert	242 A 24910 X
25	PCB clip / Threaded insert	242 A 24920 X
37	PCB clip / Threaded insert	242 A 24930 X

Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 24840 X
15	Threaded insert	241 A 24850 X
25	Threaded insert	241 A 24860 X
37	Threaded insert	241 A 24870 X
09	PCB clip / Threaded insert	241 A 25000 X
15	PCB clip / Threaded insert	241 A 25010 X
25	PCB clip / Threaded insert	241 A 25020 X
37	PCB clip / Threaded insert	241 A 25030 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 24780 X
15	Threaded insert	242 A 24790 X
25	Threaded insert	242 A 24800 X
37	Threaded insert	242 A 24810 X
09	PCB clip / Threaded insert	242 A 24940 X
15	PCB clip / Threaded insert	242 A 24950 X
25	PCB clip / Threaded insert	242 A 24960 X
37	PCB clip / Threaded insert	242 A 24970 X

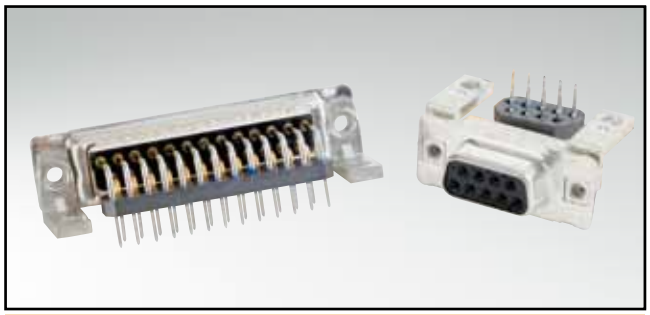
Plug connector

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 24880 X
15	Threaded insert	241 A 24890 X
25	Threaded insert	241 A 24900 X
37	Threaded insert	241 A 24910 X
09	PCB clip / Threaded insert	241 A 25040 X
15	PCB clip / Threaded insert	241 A 25050 X
25	PCB clip / Threaded insert	241 A 25060 X
37	PCB clip / Threaded insert	241 A 25070 X

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

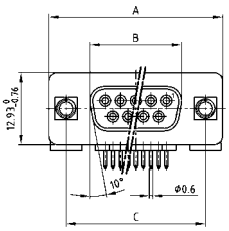


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

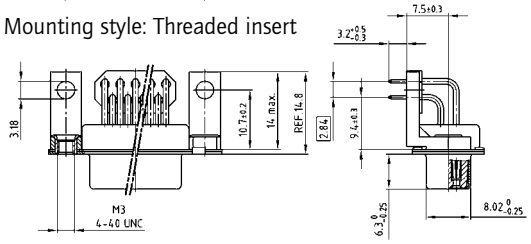
SOCKET CONNECTOR



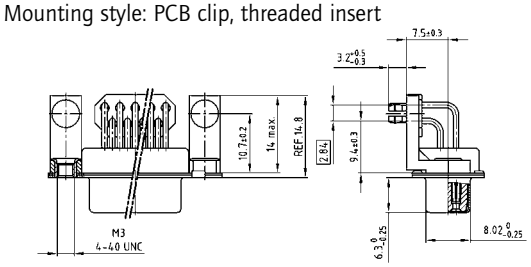
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGGA

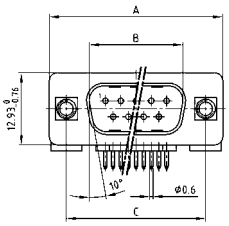
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



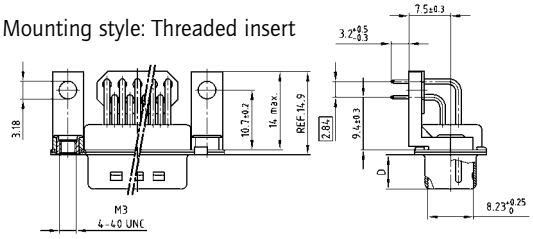
PLUG CONNECTOR



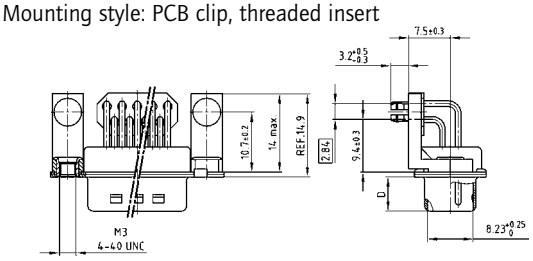
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

PCB layout: Kat1kGHA

Mounting style: 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	242 A 24980 X
15	4-40 UNC Threaded insert	242 A 24990 X
25	4-40 UNC Threaded insert	242 A 25000 X
37	4-40 UNC Threaded insert	242 A 25010 X
09	M3 Threaded insert	242 A 25140 X
15	M3 Threaded insert	242 A 25150 X
25	M3 Threaded insert	242 A 25160 X
37	M3 Threaded insert	242 A 25170 X
09	PCB clip / 4-40 UNC Threaded insert	242 A 25300 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25310 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 25320 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 25330 X
09	PCB clip / M3 Threaded insert	242 A 25460 X
15	PCB clip / M3 Threaded insert	242 A 25470 X
25	PCB clip / M3 Threaded insert	242 A 25480 X
37	PCB clip / M3 Threaded insert	242 A 25490 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	241 A 25080 X
15	4-40 UNC Threaded insert	241 A 25090 X
25	4-40 UNC Threaded insert	241 A 25100 X
37	4-40 UNC Threaded insert	241 A 25110 X
09	M3 Threaded insert	241 A 25240 X
15	M3 Threaded insert	241 A 25250 X
25	M3 Threaded insert	241 A 25260 X
37	M3 Threaded insert	241 A 25270 X
09	PCB clip / 4-40 UNC Threaded insert	241 A 25400 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25410 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 25420 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 25430 X
09	PCB clip / M3 Threaded insert	241 A 25560 X
15	PCB clip / M3 Threaded insert	241 A 25570 X
25	PCB clip / M3 Threaded insert	241 A 25580 X
37	PCB clip / M3 Threaded insert	241 A 25590 X

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

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242 A 25020 X
15	4-40 UNC Threaded insert	242 A 25030 X
25	4-40 UNC Threaded insert	242 A 25040 X
37	4-40 UNC Threaded insert	242 A 25050 X
09	M3 Threaded insert	242 A 25180 X
15	M3 Threaded insert	242 A 25190 X
25	M3 Threaded insert	242 A 25200 X
37	M3 Threaded insert	242 A 25210 X
09	PCB clip / 4-40 UNC Threaded insert	242 A 25340 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25350 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 25360 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 25370 X
09	PCB clip / M3 Threaded insert	242 A 25500 X
15	PCB clip / M3 Threaded insert	242 A 25510 X
25	PCB clip / M3 Threaded insert	242 A 25520 X
37	PCB clip / M3 Threaded insert	242 A 25530 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	241 A 25120 X
15	4-40 UNC Threaded insert	241 A 25130 X
25	4-40 UNC Threaded insert	241 A 25140 X
37	4-40 UNC Threaded insert	241 A 25150 X
09	M3 Threaded insert	241 A 25280 X
15	M3 Threaded insert	241 A 25290 X
25	M3 Threaded insert	241 A 25300 X
37	M3 Threaded insert	241 A 25310 X
09	PCB clip / 4-40 UNC Threaded insert	241 A 25440 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25450 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 25460 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 25470 X
09	PCB clip / M3 Threaded insert	241 A 25600 X
15	PCB clip / M3 Threaded insert	241 A 25610 X
25	PCB clip / M3 Threaded insert	241 A 25620 X
37	PCB clip / M3 Threaded insert	241 A 25630 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242 A 25060 X
15	4-40 UNC Threaded insert	242 A 25070 X
25	4-40 UNC Threaded insert	242 A 25080 X
37	4-40 UNC Threaded insert	242 A 25090 X
09	M3 Threaded insert	242 A 25220 X
15	M3 Threaded insert	242 A 25230 X
25	M3 Threaded insert	242 A 25240 X
37	M3 Threaded insert	242 A 25250 X
09	PCB clip / 4-40 UNC Threaded insert	242 A 25380 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25390 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 25400 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 25410 X
09	PCB clip / M3 Threaded insert	242 A 25540 X
15	PCB clip / M3 Threaded insert	242 A 25550 X
25	PCB clip / M3 Threaded insert	242 A 25560 X
37	PCB clip / M3 Threaded insert	242 A 25570 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	241 A 25160 X
15	4-40 UNC Threaded insert	241 A 25170 X
25	4-40 UNC Threaded insert	241 A 25180 X
37	4-40 UNC Threaded insert	241 A 25190 X
09	M3 Threaded insert	241 A 25320 X
15	M3 Threaded insert	241 A 25330 X
25	M3 Threaded insert	241 A 25340 X
37	M3 Threaded insert	241 A 25350 X
09	PCB clip / 4-40 UNC Threaded insert	241 A 25480 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25490 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 25500 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 25510 X
09	PCB clip / M3 Threaded insert	241 A 25640 X
15	PCB clip / M3 Threaded insert	241 A 25650 X
25	PCB clip / M3 Threaded insert	241 A 25660 X
37	PCB clip / M3 Threaded insert	241 A 25670 X

Capacitance 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	242 A 25100 X
15	4-40 UNC Threaded insert	242 A 25110 X
25	4-40 UNC Threaded insert	242 A 25120 X
37	4-40 UNC Threaded insert	242 A 25130 X
09	M3 Threaded insert	242 A 25260 X
15	M3 Threaded insert	242 A 25270 X
25	M3 Threaded insert	242 A 25280 X
37	M3 Threaded insert	242 A 25290 X
09	PCB clip / 4-40 UNC Threaded insert	242 A 25420 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25430 X
25	PCB clip / 4-40 UNC Threaded insert	242 A 25440 X
37	PCB clip / 4-40 UNC Threaded insert	242 A 25450 X
09	PCB clip / M3 Threaded insert	242 A 25580 X
15	PCB clip / M3 Threaded insert	242 A 25590 X
25	PCB clip / M3 Threaded insert	242 A 25600 X
37	PCB clip / M3 Threaded insert	242 A 25610 X

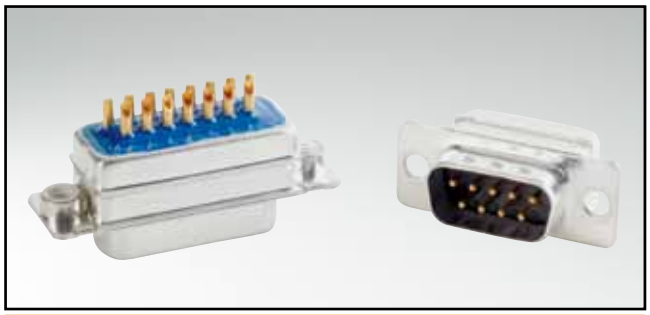
Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded insert	241 A 25200 X
15	4-40 UNC Threaded insert	241 A 25210 X
25	4-40 UNC Threaded insert	241 A 25220 X
37	4-40 UNC Threaded insert	241 A 25230 X
09	M3 Threaded insert	241 A 25360 X
15	M3 Threaded insert	241 A 25370 X
25	M3 Threaded insert	241 A 25380 X
37	M3 Threaded insert	241 A 25390 X
09	PCB clip / 4-40 UNC Threaded insert	241 A 25520 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25530 X
25	PCB clip / 4-40 UNC Threaded insert	241 A 25540 X
37	PCB clip / 4-40 UNC Threaded insert	241 A 25550 X
09	PCB clip / M3 Threaded insert	241 A 25680 X
15	PCB clip / M3 Threaded insert	241 A 25690 X
25	PCB clip / M3 Threaded insert	241 A 25700 X
37	PCB clip / M3 Threaded insert	241 A 25710 X

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

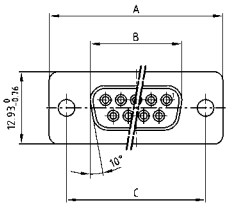


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

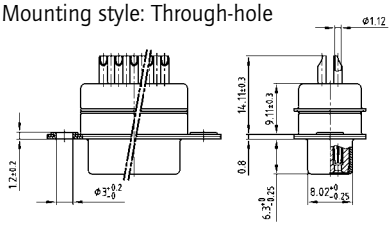
- Suitable for wire size AWG 20
- Mounting styles:
  - with through-hole, Ø .118"/3 mm
  - with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated on request)

SOCKET CONNECTOR

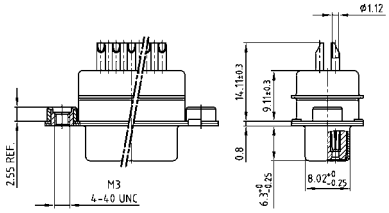


No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

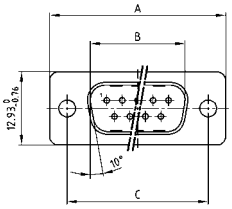
Mounting style: Through-hole



Mounting style: Threaded insert

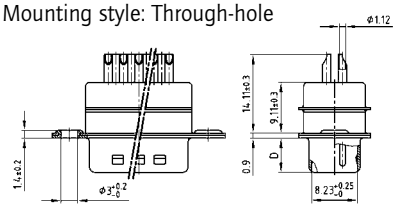


PLUG CONNECTOR

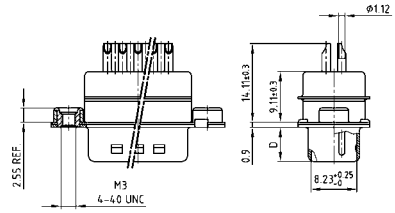


No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

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	242 A 28980 X
15	Through-hole	242 A 28990 X
25	Through-hole	242 A 29000 X
37	Through-hole	242 A 29010 X
09	4-40 UNC Threaded insert	242 A 29140 X
15	4-40 UNC Threaded insert	242 A 29150 X
25	4-40 UNC Threaded insert	242 A 29160 X
37	4-40 UNC Threaded insert	242 A 29170 X
09	M3 Threaded insert	242 A 29300 X
15	M3 Threaded insert	242 A 29310 X
25	M3 Threaded insert	242 A 29320 X
37	M3 Threaded insert	242 A 29330 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 29080 X
15	Through-hole	241 A 29090 X
25	Through-hole	241 A 29100 X
37	Through-hole	241 A 29110 X
09	4-40 UNC Threaded insert	241 A 29240 X
15	4-40 UNC Threaded insert	241 A 29250 X
25	4-40 UNC Threaded insert	241 A 29260 X
37	4-40 UNC Threaded insert	241 A 29270 X
09	M3 Threaded insert	241 A 29400 X
15	M3 Threaded insert	241 A 29410 X
25	M3 Threaded insert	241 A 29420 X
37	M3 Threaded insert	241 A 29430 X

π-Filter D-SUB Standard

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

Order data

Capacitance 2 x 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 29020 X
15	Through-hole	242 A 29030 X
25	Through-hole	242 A 29040 X
37	Through-hole	242 A 29050 X
09	4-40 UNC Threaded insert	242 A 29180 X
15	4-40 UNC Threaded insert	242 A 29190 X
25	4-40 UNC Threaded insert	242 A 29200 X
37	4-40 UNC Threaded insert	242 A 29210 X
09	M3 Threaded insert	242 A 29340 X
15	M3 Threaded insert	242 A 29350 X
25	M3 Threaded insert	242 A 29360 X
37	M3 Threaded insert	242 A 29370 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 29120 X
15	Through-hole	241 A 29130 X
25	Through-hole	241 A 29140 X
37	Through-hole	241 A 29150 X
09	4-40 UNC Threaded insert	241 A 29280 X
15	4-40 UNC Threaded insert	241 A 29290 X
25	4-40 UNC Threaded insert	241 A 29300 X
37	4-40 UNC Threaded insert	241 A 29310 X
09	M3 Threaded insert	241 A 29440 X
15	M3 Threaded insert	241 A 29450 X
25	M3 Threaded insert	241 A 29460 X
37	M3 Threaded insert	241 A 29470 X

Capacitance 2 x 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 29060 X
15	Through-hole	242 A 29070 X
25	Through-hole	242 A 29080 X
37	Through-hole	242 A 29090 X
09	4-40 UNC Threaded insert	242 A 29220 X
15	4-40 UNC Threaded insert	242 A 29230 X
25	4-40 UNC Threaded insert	242 A 29240 X
37	4-40 UNC Threaded insert	242 A 29250 X
09	M3 Threaded insert	242 A 29380 X
15	M3 Threaded insert	242 A 29390 X
25	M3 Threaded insert	242 A 29400 X
37	M3 Threaded insert	242 A 29410 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 29160 X
15	Through-hole	241 A 29170 X
25	Through-hole	241 A 29180 X
37	Through-hole	241 A 29190 X
09	4-40 UNC Threaded insert	241 A 29320 X
15	4-40 UNC Threaded insert	241 A 29330 X
25	4-40 UNC Threaded insert	241 A 29340 X
37	4-40 UNC Threaded insert	241 A 29350 X
09	M3 Threaded insert	241 A 29480 X
15	M3 Threaded insert	241 A 29490 X
25	M3 Threaded insert	241 A 29500 X
37	M3 Threaded insert	241 A 29510 X

Capacitance 2 x 1300 pF

Socket connector

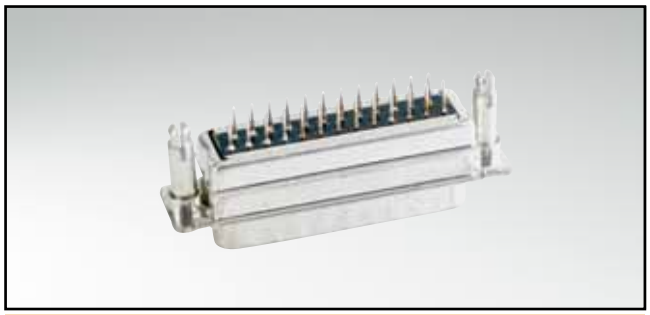
No. of pos.	Mounting style	Part Number
09	Through-hole	242 A 29100 X
15	Through-hole	242 A 29110 X
25	Through-hole	242 A 29120 X
37	Through-hole	242 A 29130 X
09	4-40 UNC Threaded insert	242 A 29260 X
15	4-40 UNC Threaded insert	242 A 29270 X
25	4-40 UNC Threaded insert	242 A 29280 X
37	4-40 UNC Threaded insert	242 A 29290 X
09	M3 Threaded insert	242 A 29420 X
15	M3 Threaded insert	242 A 29430 X
25	M3 Threaded insert	242 A 29440 X
37	M3 Threaded insert	242 A 29450 X

Plug connector

No. of pos.	Mounting style	Part Number
09	Through-hole	241 A 29200 X
15	Through-hole	241 A 29210 X
25	Through-hole	241 A 29220 X
37	Through-hole	241 A 29230 X
09	4-40 UNC Threaded insert	241 A 29360 X
15	4-40 UNC Threaded insert	241 A 29370 X
25	4-40 UNC Threaded insert	241 A 29380 X
37	4-40 UNC Threaded insert	241 A 29390 X
09	M3 Threaded insert	241 A 29520 X
15	M3 Threaded insert	241 A 29530 X
25	M3 Threaded insert	241 A 29540 X
37	M3 Threaded insert	241 A 29550 X

π-FILTER D-SUB STANDARD

Solder pin – Straight – Precision machined contacts

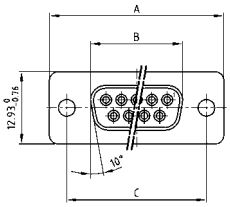


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

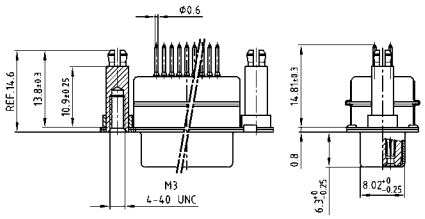
SOCKET CONNECTOR



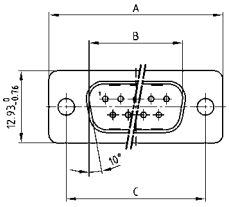
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kFUA

Mounting style: Threaded rear spacer with PCB clip



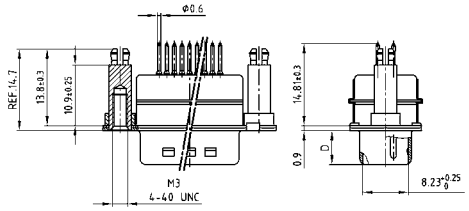
PLUG CONNECTOR



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: 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	242 A 26260 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 26270 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 26280 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 26290 X
09	M3 Threaded rear spacer PCB clip	242 A 26420 X
15	M3 Threaded rear spacer PCB clip	242 A 26430 X
25	M3 Threaded rear spacer PCB clip	242 A 26440 X
37	M3 Threaded rear spacer PCB clip	242 A 26450 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 26360 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 26370 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 26380 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 26390 X
09	M3 Threaded rear spacer PCB clip	241 A 26520 X
15	M3 Threaded rear spacer PCB clip	241 A 26530 X
25	M3 Threaded rear spacer PCB clip	241 A 26540 X
37	M3 Threaded rear spacer PCB clip	241 A 26550 X

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

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 26300 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 26310 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 26320 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 26330 X
09	M3 Threaded rear spacer PCB clip	242 A 26460 X
15	M3 Threaded rear spacer PCB clip	242 A 26470 X
25	M3 Threaded rear spacer PCB clip	242 A 26480 X
37	M3 Threaded rear spacer PCB clip	242 A 26490 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 26400 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 26410 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 26420 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 26430 X
09	M3 Threaded rear spacer PCB clip	241 A 26560 X
15	M3 Threaded rear spacer PCB clip	241 A 26570 X
25	M3 Threaded rear spacer PCB clip	241 A 26580 X
37	M3 Threaded rear spacer PCB clip	241 A 26590 X

Capacitance 2 x 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 26340 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 26350 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 26360 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 26370 X
09	M3 Threaded rear spacer PCB clip	242 A 26500 X
15	M3 Threaded rear spacer PCB clip	242 A 26510 X
25	M3 Threaded rear spacer PCB clip	242 A 26520 X
37	M3 Threaded rear spacer PCB clip	242 A 26530 X

Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 26440 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 26450 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 26460 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 26470 X
09	M3 Threaded rear spacer PCB clip	241 A 26600 X
15	M3 Threaded rear spacer PCB clip	241 A 26610 X
25	M3 Threaded rear spacer PCB clip	241 A 26620 X
37	M3 Threaded rear spacer PCB clip	241 A 26630 X

Capacitance 2 x 1300 pF

Socket connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	242 A 26380 X
15	4-40 UNC Threaded rear spacer PCB clip	242 A 26390 X
25	4-40 UNC Threaded rear spacer PCB clip	242 A 26400 X
37	4-40 UNC Threaded rear spacer PCB clip	242 A 26410 X
09	M3 Threaded rear spacer PCB clip	242 A 26540 X
15	M3 Threaded rear spacer PCB clip	242 A 26550 X
25	M3 Threaded rear spacer PCB clip	242 A 26560 X
37	M3 Threaded rear spacer PCB clip	242 A 26570 X

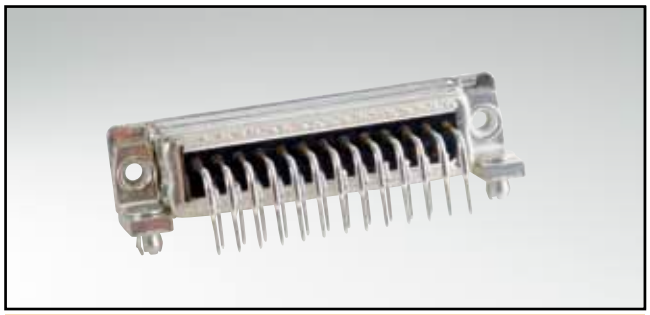
Plug connector

No. of pos.	Mounting style	Part Number
09	4-40 UNC Threaded rear spacer PCB clip	241 A 26480 X
15	4-40 UNC Threaded rear spacer PCB clip	241 A 26490 X
25	4-40 UNC Threaded rear spacer PCB clip	241 A 26500 X
37	4-40 UNC Threaded rear spacer PCB clip	241 A 26510 X
09	M3 Threaded rear spacer PCB clip	241 A 26640 X
15	M3 Threaded rear spacer PCB clip	241 A 26650 X
25	M3 Threaded rear spacer PCB clip	241 A 26660 X
37	M3 Threaded rear spacer PCB clip	241 A 26670 X

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

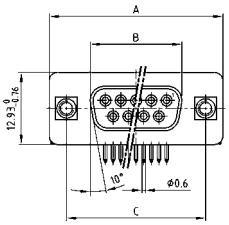


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

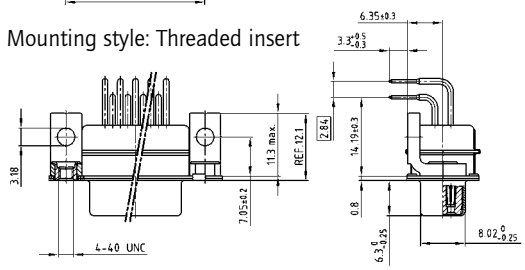
SOCKET CONNECTOR



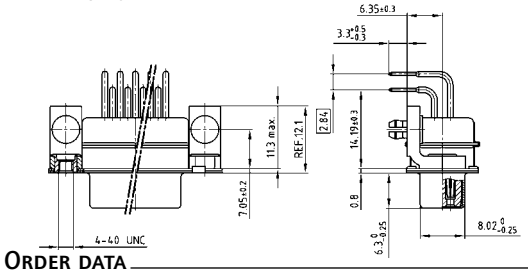
No. of pos.	A -0.76	B -0.25	C
09	31.19	16.46	25.00 +0.12 -0.13
15	39.52	24.79	33.30 +0.15 -0.10
25	53.42	38.50	47.04 ±0.13
37	69.70	54.96	63.50 ±0.13

PCB layout: Kat1kGXA

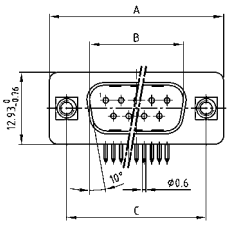
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



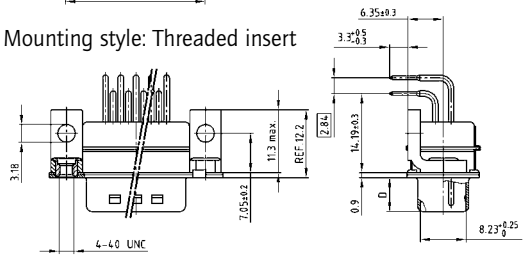
PLUG CONNECTOR



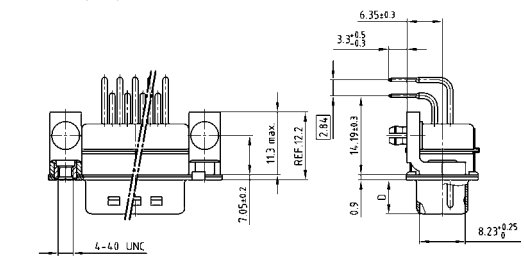
No. of pos.	A -0.76	B +0.25	C	D -0.3
09	31.19	16.79	25.00 +0.12 -0.13	6.12
15	39.52	25.12	33.30 +0.15 -0.10	6.12
25	53.42	38.84	47.04 ±0.13	5.99
37	69.70	55.30	63.50 ±0.13	5.99

PCB layout: 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	242 A 25940 X
15	Threaded insert	242 A 25950 X
25	Threaded insert	242 A 25960 X
37	Threaded insert	242 A 25970 X
09	PCB clip / Threaded insert	242 A 26100 X
15	PCB clip / Threaded insert	242 A 26110 X
25	PCB clip / Threaded insert	242 A 26120 X
37	PCB clip / Threaded insert	242 A 26130 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 26040 X
15	Threaded insert	241 A 26050 X
25	Threaded insert	241 A 26060 X
37	Threaded insert	241 A 26070 X
09	PCB clip / Threaded insert	241 A 26200 X
15	PCB clip / Threaded insert	241 A 26210 X
25	PCB clip / Threaded insert	241 A 26220 X
37	PCB clip / Threaded insert	241 A 26230 X

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

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 25980 X
15	Threaded insert	242 A 25990 X
25	Threaded insert	242 A 26000 X
37	Threaded insert	242 A 26010 X
09	PCB clip / Threaded insert	242 A 26140 X
15	PCB clip / Threaded insert	242 A 26150 X
25	PCB clip / Threaded insert	242 A 26160 X
37	PCB clip / Threaded insert	242 A 26170 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 26080 X
15	Threaded insert	241 A 26090 X
25	Threaded insert	241 A 26100 X
37	Threaded insert	241 A 26110 X
09	PCB clip / Threaded insert	241 A 26240 X
15	PCB clip / Threaded insert	241 A 26250 X
25	PCB clip / Threaded insert	241 A 26260 X
37	PCB clip / Threaded insert	241 A 26270 X

Capacitance 2 x 830 pF

SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 26020 X
15	Threaded insert	242 A 26030 X
25	Threaded insert	242 A 26040 X
37	Threaded insert	242 A 26050 X
09	PCB clip / Threaded insert	242 A 26180 X
15	PCB clip / Threaded insert	242 A 26190 X
25	PCB clip / Threaded insert	242 A 26200 X
37	PCB clip / Threaded insert	242 A 26210 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 26120 X
15	Threaded insert	241 A 26130 X
25	Threaded insert	241 A 26140 X
37	Threaded insert	241 A 26150 X
09	PCB clip / Threaded insert	241 A 26280 X
15	PCB clip / Threaded insert	241 A 26290 X
25	PCB clip / Threaded insert	241 A 26300 X
37	PCB clip / Threaded insert	241 A 26310 X

Capacitance 2 x 1300 pF

SOCKET CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	242 A 26060 X
15	Threaded insert	242 A 26070 X
25	Threaded insert	242 A 26080 X
37	Threaded insert	242 A 26090 X
09	PCB clip / Threaded insert	242 A 26220 X
15	PCB clip / Threaded insert	242 A 26230 X
25	PCB clip / Threaded insert	242 A 26240 X
37	PCB clip / Threaded insert	242 A 26250 X

PLUG CONNECTOR

No. of pos.	Mounting style 4-40 UNC	Part Number
09	Threaded insert	241 A 26160 X
15	Threaded insert	241 A 26170 X
25	Threaded insert	241 A 26180 X
37	Threaded insert	241 A 26190 X
09	PCB clip / Threaded insert	241 A 26320 X
15	PCB clip / Threaded insert	241 A 26330 X
25	PCB clip / Threaded insert	241 A 26340 X
37	PCB clip / Threaded insert	241 A 26350 X

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

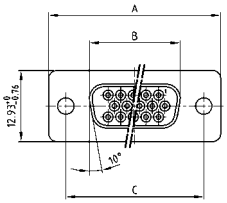
Solder pin – Straight – Precision machined contacts

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

DESCRIPTION

- Mounting styles:
  - with through-hole, 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)

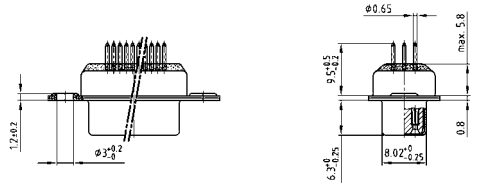
SOCKET CONNECTOR



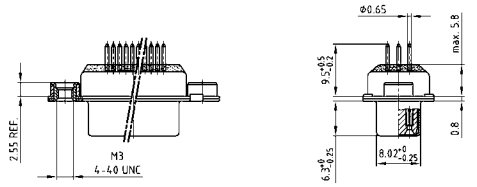
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 -0.13
26	39.52	24.79	33.30 +0.15 -0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iT9A

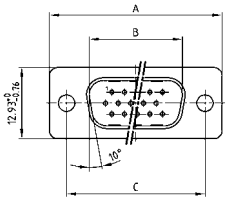
Mounting style: Through-hole



Mounting style: Threaded insert



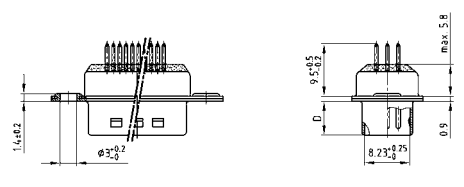
PLUG CONNECTOR



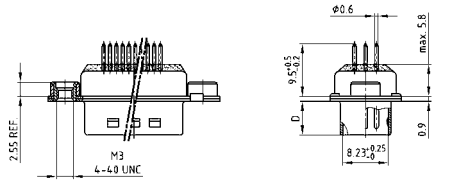
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 -0.13	6.12
26	39.52	25.12	33.30 +0.15 -0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

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	242 A 27380 X
26	Through-hole	242 A 27390 X
44	Through-hole	242 A 27400 X
62	Through-hole	242 A 27410 X
15	4-40 UNC Threaded insert	242 A 27420 X
26	4-40 UNC Threaded insert	242 A 27430 X
44	4-40 UNC Threaded insert	242 A 27440 X
62	4-40 UNC Threaded insert	242 A 27450 X
15	M3 Threaded insert	242 A 27460 X
26	M3 Threaded insert	242 A 27470 X
44	M3 Threaded insert	242 A 27480 X
62	M3 Threaded insert	242 A 27490 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	Through-hole	241 A 27480 X
26	Through-hole	241 A 27490 X
44	Through-hole	241 A 27500 X
62	Through-hole	241 A 27510 X
15	4-40 UNC Threaded insert	241 A 27520 X
26	4-40 UNC Threaded insert	241 A 27530 X
44	4-40 UNC Threaded insert	241 A 27540 X
62	4-40 UNC Threaded insert	241 A 27550 X
15	M3 Threaded insert	241 A 27560 X
26	M3 Threaded insert	241 A 27570 X
44	M3 Threaded insert	241 A 27580 X
62	M3 Threaded insert	241 A 27590 X

C-Filter D-SUB High Density

Solder pin – Straight – Precision machined contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
15	Through-hole	242 A 17980 X
26	Through-hole	242 A 17990 X
44	Through-hole	242 A 18000 X
62	Through-hole	242 A 18010 X
15	4-40 UNC Threaded insert	242 A 18060 X
26	4-40 UNC Threaded insert	242 A 18070 X
44	4-40 UNC Threaded insert	242 A 18080 X
62	4-40 UNC Threaded insert	242 A 18090 X
15	M3 Threaded insert	242 A 18140 X
26	M3 Threaded insert	242 A 18150 X
44	M3 Threaded insert	242 A 18160 X
62	M3 Threaded insert	242 A 18170 X

Plug connector

No. of pos.	Mounting style	Part Number
15	Through-hole	241 A 16380 X
26	Through-hole	241 A 16390 X
44	Through-hole	241 A 16400 X
62	Through-hole	241 A 16410 X
15	4-40 UNC Threaded insert	241 A 16460 X
26	4-40 UNC Threaded insert	241 A 16470 X
44	4-40 UNC Threaded insert	241 A 16480 X
62	4-40 UNC Threaded insert	241 A 16490 X
15	M3 Threaded insert	241 A 16540 X
26	M3 Threaded insert	241 A 16550 X
44	M3 Threaded insert	241 A 16560 X
62	M3 Threaded insert	241 A 16570 X

Capacitance 830 pF

Socket connector

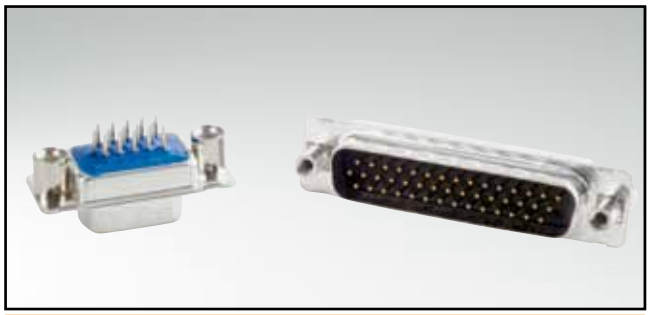
No. of pos.	Mounting style	Part Number
15	Through-hole	242 A 18020 X
26	Through-hole	242 A 18030 X
44	Through-hole	242 A 18040 X
62	Through-hole	242 A 18050 X
15	4-40 UNC Threaded insert	242 A 18100 X
26	4-40 UNC Threaded insert	242 A 18110 X
44	4-40 UNC Threaded insert	242 A 18120 X
62	4-40 UNC Threaded insert	242 A 18130 X
15	M3 Threaded insert	242 A 18180 X
26	M3 Threaded insert	242 A 18190 X
44	M3 Threaded insert	242 A 18200 X
62	M3 Threaded insert	242 A 18210 X

Plug connector

No. of pos.	Mounting style	Part Number
15	Through-hole	241 A 16420 X
26	Through-hole	241 A 16430 X
44	Through-hole	241 A 16440 X
62	Through-hole	241 A 16450 X
15	4-40 UNC Threaded insert	241 A 16500 X
26	4-40 UNC Threaded insert	241 A 16510 X
44	4-40 UNC Threaded insert	241 A 16520 X
62	4-40 UNC Threaded insert	241 A 16530 X
15	M3 Threaded insert	241 A 16580 X
26	M3 Threaded insert	241 A 16590 X
44	M3 Threaded insert	241 A 16600 X
62	M3 Threaded insert	241 A 16610 X

C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

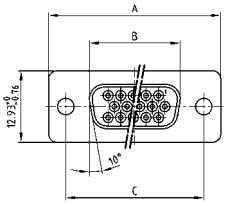


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

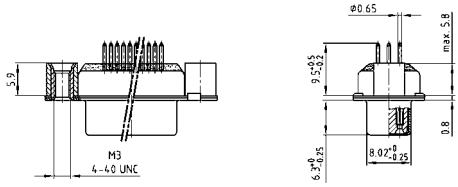
SOCKET CONNECTOR



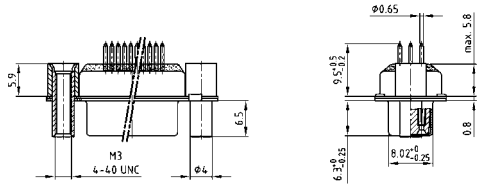
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 -0.13
26	39.52	24.79	33.30 +0.15 -0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iT9A

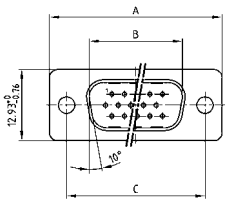
Mounting style: Threaded rear spacer



Mounting style: Front and threaded rear spacer



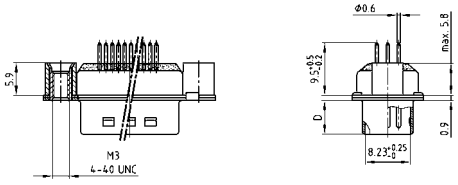
PLUG CONNECTOR



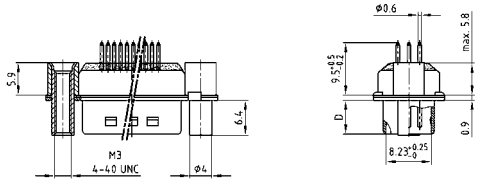
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 -0.13	6.12
26	39.52	25.12	33.30 +0.15 -0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

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	242 A 27500 X
26	4-40 UNC Threaded rear spacer	242 A 27510 X
44	4-40 UNC Threaded rear spacer	242 A 27520 X
62	4-40 UNC Threaded rear spacer	242 A 27530 X
15	M3 Threaded rear spacer	242 A 27540 X
26	M3 Threaded rear spacer	242 A 27550 X
44	M3 Threaded rear spacer	242 A 27560 X
62	M3 Threaded rear spacer	242 A 27570 X
15	4-40 UNC Front/Threaded rear spacer	242 A 27580 X
26	4-40 UNC Front/Threaded rear spacer	242 A 27590 X
44	4-40 UNC Front/Threaded rear spacer	242 A 27600 X
62	4-40 UNC Front/Threaded rear spacer	242 A 27610 X
15	M3 Front/Threaded rear spacer	242 A 27620 X
26	M3 Front/Threaded rear spacer	242 A 27630 X
44	M3 Front/Threaded rear spacer	242 A 27640 X
62	M3 Front/Threaded rear spacer	242 A 27650 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	241 A 27600 X
26	4-40 UNC Threaded rear spacer	241 A 27610 X
44	4-40 UNC Threaded rear spacer	241 A 27620 X
62	4-40 UNC Threaded rear spacer	241 A 27630 X
15	M3 Threaded rear spacer	241 A 27640 X
26	M3 Threaded rear spacer	241 A 27650 X
44	M3 Threaded rear spacer	241 A 27660 X
62	M3 Threaded rear spacer	241 A 27670 X
15	4-40 UNC Front/Threaded rear spacer	241 A 27680 X
26	4-40 UNC Front/Threaded rear spacer	241 A 27690 X
44	4-40 UNC Front/Threaded rear spacer	241 A 27700 X
62	4-40 UNC Front/Threaded rear spacer	241 A 27710 X
15	M3 Front/Threaded rear spacer	241 A 27720 X
26	M3 Front/Threaded rear spacer	241 A 27730 X
44	M3 Front/Threaded rear spacer	241 A 27740 X
62	M3 Front/Threaded rear spacer	241 A 27750 X

C-Filter D-SUB High Density

Solder pin – Straight – Precision machined contacts

Order data

Capacitance 370 pF

Socket connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	242 A 18220 X
26	4-40 UNC Threaded rear spacer	242 A 18230 X
44	4-40 UNC Threaded rear spacer	242 A 18240 X
62	4-40 UNC Threaded rear spacer	242 A 18250 X
15	M3 Threaded rear spacer	242 A 18300 X
26	M3 Threaded rear spacer	242 A 18310 X
44	M3 Threaded rear spacer	242 A 18320 X
62	M3 Threaded rear spacer	242 A 18330 X
15	4-40 UNC Front/Threaded rear spacer	242 A 18380 X
26	4-40 UNC Front/Threaded rear spacer	242 A 18390 X
44	4-40 UNC Front/Threaded rear spacer	242 A 18400 X
62	4-40 UNC Front/Threaded rear spacer	242 A 18410 X
15	M3 Front/Threaded rear spacer	242 A 18460 X
26	M3 Front/Threaded rear spacer	242 A 18470 X
44	M3 Front/Threaded rear spacer	242 A 18480 X
62	M3 Front/Threaded rear spacer	242 A 18490 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	241 A 16620 X
26	4-40 UNC Threaded rear spacer	241 A 16630 X
44	4-40 UNC Threaded rear spacer	241 A 16640 X
62	4-40 UNC Threaded rear spacer	241 A 16650 X
15	M3 Threaded rear spacer	241 A 16700 X
26	M3 Threaded rear spacer	241 A 16710 X
44	M3 Threaded rear spacer	241 A 16720 X
62	M3 Threaded rear spacer	241 A 16730 X
15	4-40 UNC Front/Threaded rear spacer	241 A 16780 X
26	4-40 UNC Front/Threaded rear spacer	241 A 16790 X
44	4-40 UNC Front/Threaded rear spacer	241 A 16800 X
62	4-40 UNC Front/Threaded rear spacer	241 A 16810 X
15	M3 Front/Threaded rear spacer	241 A 16860 X
26	M3 Front/Threaded rear spacer	241 A 16870 X
44	M3 Front/Threaded rear spacer	241 A 16880 X
62	M3 Front/Threaded rear spacer	241 A 16890 X

Capacitance 830 pF

Socket connector

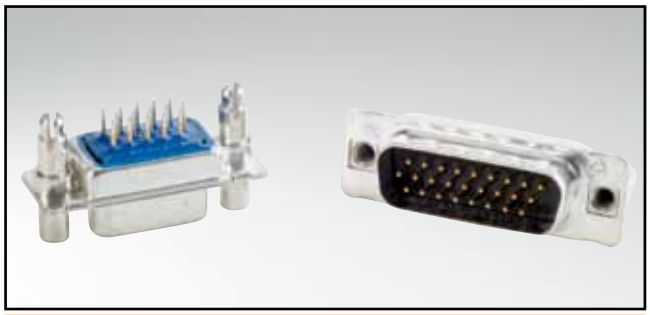
No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	242 A 18260 X
26	4-40 UNC Threaded rear spacer	242 A 18270 X
44	4-40 UNC Threaded rear spacer	242 A 18280 X
62	4-40 UNC Threaded rear spacer	242 A 18290 X
15	M3 Threaded rear spacer	242 A 18340 X
26	M3 Threaded rear spacer	242 A 18350 X
44	M3 Threaded rear spacer	242 A 18360 X
62	M3 Threaded rear spacer	242 A 18370 X
15	4-40 UNC Front/Threaded rear spacer	242 A 18420 X
26	4-40 UNC Front/Threaded rear spacer	242 A 18430 X
44	4-40 UNC Front/Threaded rear spacer	242 A 18440 X
62	4-40 UNC Front/Threaded rear spacer	242 A 18450 X
15	M3 Front/Threaded rear spacer	242 A 18500 X
26	M3 Front/Threaded rear spacer	242 A 18510 X
44	M3 Front/Threaded rear spacer	242 A 18520 X
62	M3 Front/Threaded rear spacer	242 A 18530 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer	241 A 16660 X
26	4-40 UNC Threaded rear spacer	241 A 16670 X
44	4-40 UNC Threaded rear spacer	241 A 16680 X
62	4-40 UNC Threaded rear spacer	241 A 16690 X
15	M3 Threaded rear spacer	241 A 16740 X
26	M3 Threaded rear spacer	241 A 16750 X
44	M3 Threaded rear spacer	241 A 16760 X
62	M3 Threaded rear spacer	241 A 16770 X
15	4-40 UNC Front/Threaded rear spacer	241 A 16820 X
26	4-40 UNC Front/Threaded rear spacer	241 A 16830 X
44	4-40 UNC Front/Threaded rear spacer	241 A 16840 X
62	4-40 UNC Front/Threaded rear spacer	241 A 16850 X
15	M3 Front/Threaded rear spacer	241 A 16900 X
26	M3 Front/Threaded rear spacer	241 A 16910 X
44	M3 Front/Threaded rear spacer	241 A 16920 X
62	M3 Front/Threaded rear spacer	241 A 16930 X

C-FILTER D-SUB HIGH DENSITY

Solder pin – Straight – Precision machined contacts

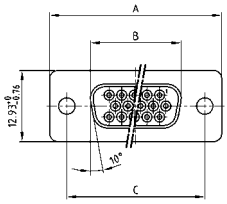


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

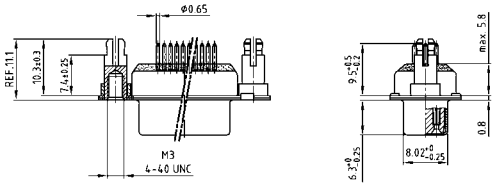
SOCKET CONNECTOR



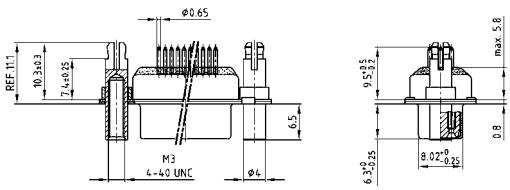
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 -0.13
26	39.52	24.79	33.30 +0.15 -0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iT9A

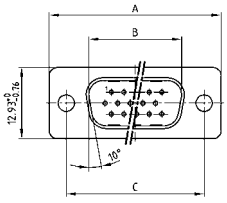
Mounting style: Threaded rear spacer with PCB clip



Mounting style: Front and threaded rear spacer with PCB clip



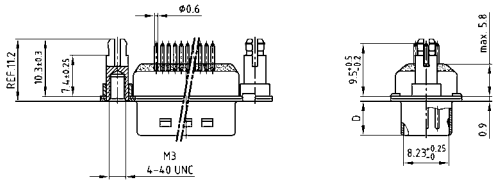
PLUG CONNECTOR



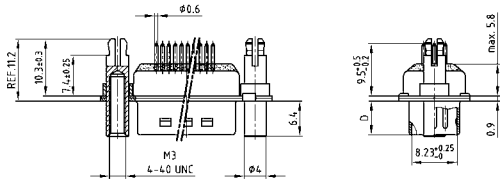
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 -0.13	6.12
26	39.52	25.12	33.30 +0.15 -0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

PCB layout: Kat1iU0A

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	242 A 27700 X
26	4-40 UNC Threaded rear spacer PCB clip	242 A 27710 X
44	4-40 UNC Threaded rear spacer PCB clip	242 A 27720 X
62	4-40 UNC Threaded rear spacer PCB clip	242 A 27730 X
15	M3 Threaded rear spacer PCB clip	242 A 27740 X
26	M3 Threaded rear spacer PCB clip	242 A 27750 X
44	M3 Threaded rear spacer PCB clip	242 A 27760 X
62	M3 Threaded rear spacer PCB clip	242 A 27770 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 27780 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 27790 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 27800 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 27810 X
15	M3 Front/Threaded rear spacer PCB clip	242 A 27820 X
26	M3 Front/Threaded rear spacer PCB clip	242 A 27830 X
44	M3 Front/Threaded rear spacer PCB clip	242 A 27840 X
62	M3 Front/Threaded rear spacer PCB clip	242 A 27850 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	241 A 27800 X
26	4-40 UNC Threaded rear spacer PCB clip	241 A 27810 X
44	4-40 UNC Threaded rear spacer PCB clip	241 A 27820 X
62	4-40 UNC Threaded rear spacer PCB clip	241 A 27830 X
15	M3 Threaded rear spacer PCB clip	241 A 27840 X
26	M3 Threaded rear spacer PCB clip	241 A 27850 X
44	M3 Threaded rear spacer PCB clip	241 A 27860 X
62	M3 Threaded rear spacer PCB clip	241 A 27870 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 27880 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 27890 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 27900 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 27910 X
15	M3 Front/Threaded rear spacer PCB clip	241 A 27920 X
26	M3 Front/Threaded rear spacer PCB clip	241 A 27930 X
44	M3 Front/Threaded rear spacer PCB clip	241 A 27940 X
62	M3 Front/Threaded rear spacer PCB clip	241 A 27950 X

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

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	242 A 20610 X
26	4-40 UNC Threaded rear spacer PCB clip	242 A 20620 X
44	4-40 UNC Threaded rear spacer PCB clip	242 A 20630 X
62	4-40 UNC Threaded rear spacer PCB clip	242 A 20640 X
15	M3 Threaded rear spacer PCB clip	242 A 20690 X
26	M3 Threaded rear spacer PCB clip	242 A 20700 X
44	M3 Threaded rear spacer PCB clip	242 A 20710 X
62	M3 Threaded rear spacer PCB clip	242 A 20720 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20770 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20780 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20790 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20800 X
15	M3 Front/Threaded rear spacer PCB clip	242 A 20850 X
26	M3 Front/Threaded rear spacer PCB clip	242 A 20860 X
44	M3 Front/Threaded rear spacer PCB clip	242 A 20870 X
62	M3 Front/Threaded rear spacer PCB clip	242 A 20880 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	241 A 20760 X
26	4-40 UNC Threaded rear spacer PCB clip	241 A 20770 X
44	4-40 UNC Threaded rear spacer PCB clip	241 A 20780 X
62	4-40 UNC Threaded rear spacer PCB clip	241 A 20790 X
15	M3 Threaded rear spacer PCB clip	241 A 20840 X
26	M3 Threaded rear spacer PCB clip	241 A 20850 X
44	M3 Threaded rear spacer PCB clip	241 A 20860 X
62	M3 Threaded rear spacer PCB clip	241 A 20870 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20920 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20930 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20940 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20950 X
15	M3 Front/Threaded rear spacer PCB clip	241 A 21480 X
26	M3 Front/Threaded rear spacer PCB clip	241 A 21490 X
44	M3 Front/Threaded rear spacer PCB clip	241 A 21500 X
62	M3 Front/Threaded rear spacer PCB clip	241 A 21510 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	242 A 20650 X
26	4-40 UNC Threaded rear spacer PCB clip	242 A 20660 X
44	4-40 UNC Threaded rear spacer PCB clip	242 A 20670 X
62	4-40 UNC Threaded rear spacer PCB clip	242 A 20680 X
15	M3 Threaded rear spacer PCB clip	242 A 20730 X
26	M3 Threaded rear spacer PCB clip	242 A 20740 X
44	M3 Threaded rear spacer PCB clip	242 A 20750 X
62	M3 Threaded rear spacer PCB clip	242 A 20760 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20810 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20820 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20830 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	242 A 20840 X
15	M3 Front/Threaded rear spacer PCB clip	242 A 20890 X
26	M3 Front/Threaded rear spacer PCB clip	242 A 20900 X
44	M3 Front/Threaded rear spacer PCB clip	242 A 20910 X
62	M3 Front/Threaded rear spacer PCB clip	242 A 20920 X

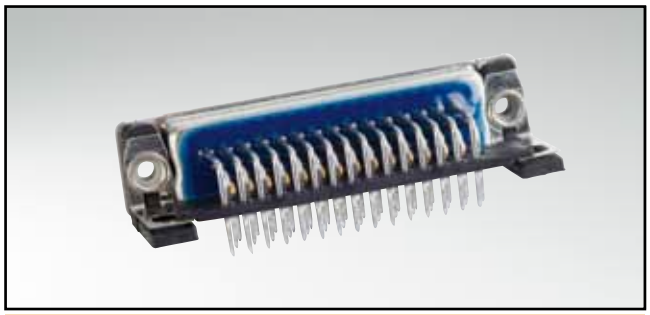
Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded rear spacer PCB clip	241 A 20800 X
26	4-40 UNC Threaded rear spacer PCB clip	241 A 20810 X
44	4-40 UNC Threaded rear spacer PCB clip	241 A 20820 X
62	4-40 UNC Threaded rear spacer PCB clip	241 A 20830 X
15	M3 Threaded rear spacer PCB clip	241 A 20880 X
26	M3 Threaded rear spacer PCB clip	241 A 20890 X
44	M3 Threaded rear spacer PCB clip	241 A 20900 X
62	M3 Threaded rear spacer PCB clip	241 A 20910 X
15	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20960 X
26	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20970 X
44	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20980 X
62	4-40 UNC Front/Threaded rear spacer PCB clip	241 A 20990 X
15	M3 Front/Threaded rear spacer PCB clip	241 A 21520 X
26	M3 Front/Threaded rear spacer PCB clip	241 A 21530 X
44	M3 Front/Threaded rear spacer PCB clip	241 A 21540 X
62	M3 Front/Threaded rear spacer PCB clip	241 A 21550 X

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

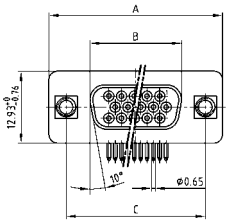


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

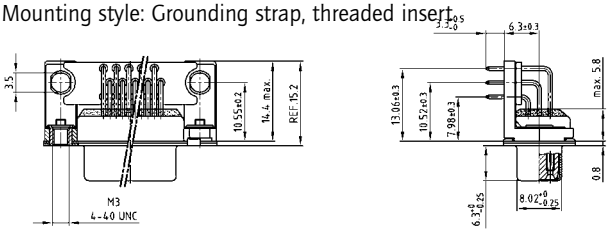
Socket connector



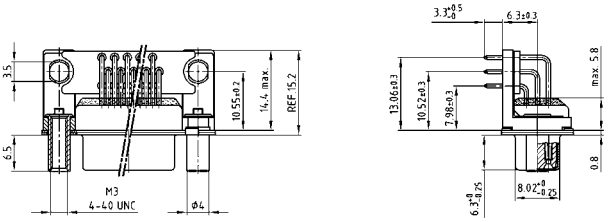
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 -0.13
26	39.52	24.79	33.30 +0.15 -0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iU1A

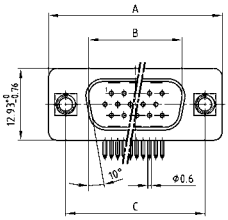
Mounting style: Grounding strap, threaded insert



Mounting style: Grounding strap, front spacer



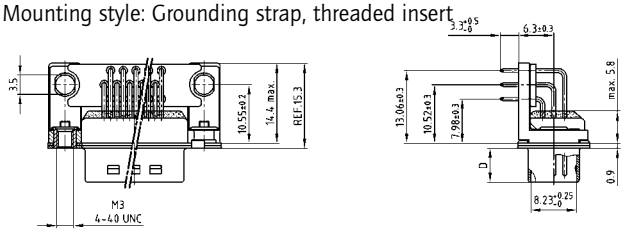
Plug connector



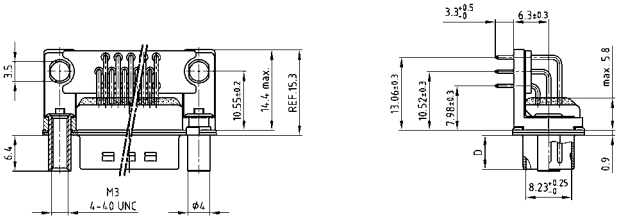
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 -0.13	6.12
26	39.52	25.12	33.30 +0.15 -0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

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	242 A 27860 X
26	Grounding strap / 4-40 UNC Threaded insert	242 A 27870 X
44	Grounding strap / 4-40 UNC Threaded insert	242 A 27880 X
62	Grounding strap / 4-40 UNC Threaded insert	242 A 27890 X
15	Grounding strap / M3 Threaded insert	242 A 27900 X
26	Grounding strap / M3 Threaded insert	242 A 27910 X
44	Grounding strap / M3 Threaded insert	242 A 27920 X
62	Grounding strap / M3 Threaded insert	242 A 27930 X
15	Grounding strap / 4-40 UNC Front spacer	242 A 27940 X
26	Grounding strap / 4-40 UNC Front spacer	242 A 27950 X
44	Grounding strap / 4-40 UNC Front spacer	242 A 27960 X
62	Grounding strap / 4-40 UNC Front spacer	242 A 27970 X
15	Grounding strap / M3 Front spacer	242 A 27980 X
26	Grounding strap / M3 Front spacer	242 A 27990 X
44	Grounding strap / M3 Front spacer	242 A 28000 X
62	Grounding strap / M3 Front spacer	242 A 28010 X

Plug connector

No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	241 A 27960 X
26	Grounding strap / 4-40 UNC Threaded insert	241 A 27970 X
44	Grounding strap / 4-40 UNC Threaded insert	241 A 27980 X
62	Grounding strap / 4-40 UNC Threaded insert	241 A 27990 X
15	Grounding strap / M3 Threaded insert	241 A 28000 X
26	Grounding strap / M3 Threaded insert	241 A 28010 X
44	Grounding strap / M3 Threaded insert	241 A 28020 X
62	Grounding strap / M3 Threaded insert	241 A 28030 X
15	Grounding strap / 4-40 UNC Front spacer	241 A 28040 X
26	Grounding strap / 4-40 UNC Front spacer	241 A 28050 X
44	Grounding strap / 4-40 UNC Front spacer	241 A 28060 X
62	Grounding strap / 4-40 UNC Front spacer	241 A 28070 X
15	Grounding strap / M3 Front spacer	241 A 28080 X
26	Grounding strap / M3 Front spacer	241 A 28090 X
44	Grounding strap / M3 Front spacer	241 A 28100 X
62	Grounding strap / M3 Front spacer	241 A 28110 X

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

No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	242 A 18690 X
26	Grounding strap / 4-40 UNC Threaded insert	242 A 18700 X
44	Grounding strap / 4-40 UNC Threaded insert	242 A 18710 X
62	Grounding strap / 4-40 UNC Threaded insert	242 A 18720 X
15	Grounding strap / M3 Threaded insert	242 A 18770 X
26	Grounding strap / M3 Threaded insert	242 A 18780 X
44	Grounding strap / M3 Threaded insert	242 A 18790 X
62	Grounding strap / M3 Threaded insert	242 A 18800 X
15	Grounding strap / 4-40 UNC Front spacer	242 A 18850 X
26	Grounding strap / 4-40 UNC Front spacer	242 A 18860 X
44	Grounding strap / 4-40 UNC Front spacer	242 A 18870 X
62	Grounding strap / 4-40 UNC Front spacer	242 A 18880 X
15	Grounding strap / M3 Front spacer	242 A 18930 X
26	Grounding strap / M3 Front spacer	242 A 18940 X
44	Grounding strap / M3 Front spacer	242 A 18950 X
62	Grounding strap / M3 Front spacer	242 A 18960 X

Plug connector

No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	241 A 17100 X
26	Grounding strap / 4-40 UNC Threaded insert	241 A 17110 X
44	Grounding strap / 4-40 UNC Threaded insert	241 A 17120 X
62	Grounding strap / 4-40 UNC Threaded insert	241 A 17130 X
15	Grounding strap / M3 Threaded insert	241 A 17180 X
26	Grounding strap / M3 Threaded insert	241 A 17190 X
44	Grounding strap / M3 Threaded insert	241 A 17200 X
62	Grounding strap / M3 Threaded insert	241 A 17210 X
15	Grounding strap / 4-40 UNC Front spacer	241 A 17260 X
26	Grounding strap / 4-40 UNC Front spacer	241 A 17270 X
44	Grounding strap / 4-40 UNC Front spacer	241 A 17280 X
62	Grounding strap / 4-40 UNC Front spacer	241 A 17290 X
15	Grounding strap / M3 Front spacer	241 A 17340 X
26	Grounding strap / M3 Front spacer	241 A 17350 X
44	Grounding strap / M3 Front spacer	241 A 17360 X
62	Grounding strap / M3 Front spacer	241 A 17370 X

Capacitance 830 pF

Socket connector

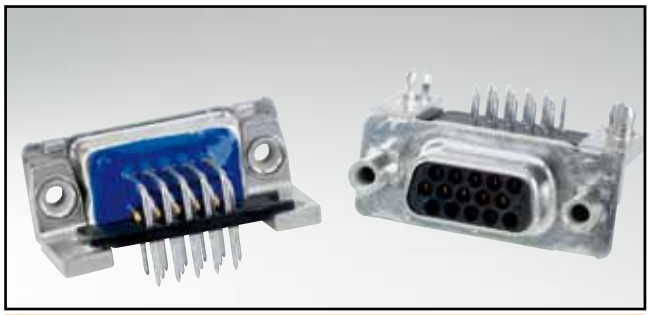
No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	242 A 18730 X
26	Grounding strap / 4-40 UNC Threaded insert	242 A 18740 X
44	Grounding strap / 4-40 UNC Threaded insert	242 A 18750 X
62	Grounding strap / 4-40 UNC Threaded insert	242 A 18760 X
15	Grounding strap / M3 Threaded insert	242 A 18810 X
26	Grounding strap / M3 Threaded insert	242 A 18820 X
44	Grounding strap / M3 Threaded insert	242 A 18830 X
62	Grounding strap / M3 Threaded insert	242 A 18840 X
15	Grounding strap / 4-40 UNC Front spacer	242 A 18890 X
26	Grounding strap / 4-40 UNC Front spacer	242 A 18900 X
44	Grounding strap / 4-40 UNC Front spacer	242 A 18910 X
62	Grounding strap / 4-40 UNC Front spacer	242 A 18920 X
15	Grounding strap / M3 Front spacer	242 A 18970 X
26	Grounding strap / M3 Front spacer	242 A 18980 X
44	Grounding strap / M3 Front spacer	242 A 18990 X
62	Grounding strap / M3 Front spacer	242 A 19000 X

Plug connector

No. of pos.	Mounting style	Part Number
15	Grounding strap / 4-40 UNC Threaded insert	241 A 17140 X
26	Grounding strap / 4-40 UNC Threaded insert	241 A 17150 X
44	Grounding strap / 4-40 UNC Threaded insert	241 A 17160 X
62	Grounding strap / 4-40 UNC Threaded insert	241 A 17170 X
15	Grounding strap / M3 Threaded insert	241 A 17220 X
26	Grounding strap / M3 Threaded insert	241 A 17230 X
44	Grounding strap / M3 Threaded insert	241 A 17240 X
62	Grounding strap / M3 Threaded insert	241 A 17250 X
15	Grounding strap / 4-40 UNC Front spacer	241 A 17300 X
26	Grounding strap / 4-40 UNC Front spacer	241 A 17310 X
44	Grounding strap / 4-40 UNC Front spacer	241 A 17320 X
62	Grounding strap / 4-40 UNC Front spacer	241 A 17330 X
15	Grounding strap / M3 Front spacer	241 A 17380 X
26	Grounding strap / M3 Front spacer	241 A 17390 X
44	Grounding strap / M3 Front spacer	241 A 17400 X
62	Grounding strap / M3 Front spacer	241 A 17410 X

C-FILTER D-SUB HIGH DENSITY

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

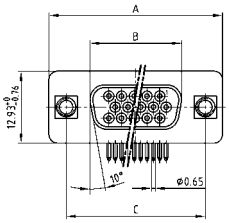


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

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)

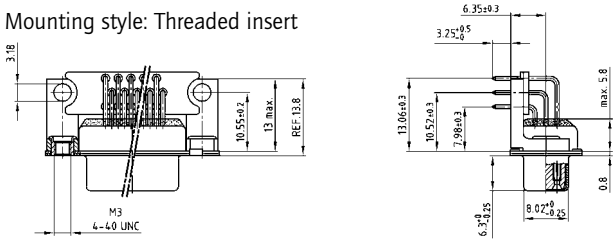
SOCKET CONNECTOR



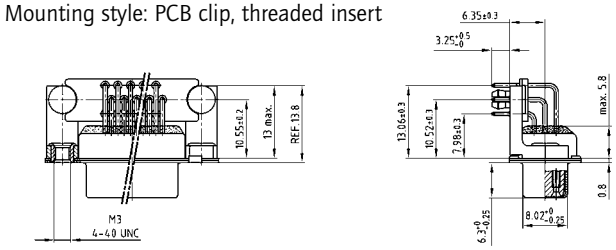
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 +0.13
26	39.52	24.79	33.30 +0.15 +0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iU1A

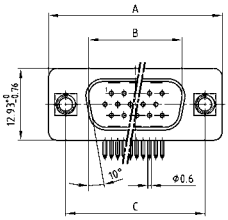
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



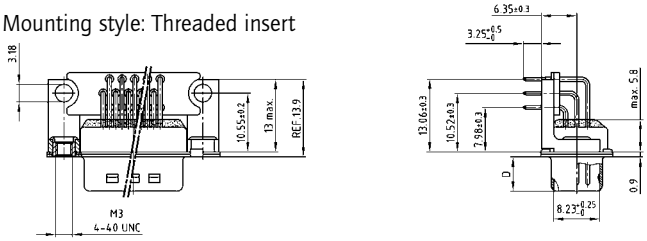
PLUG CONNECTOR



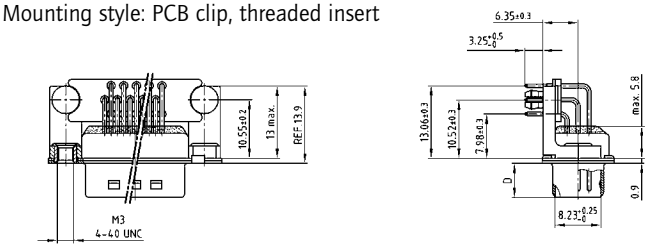
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 +0.13	6.12
26	39.52	25.12	33.30 +0.15 +0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

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	242 A 28020 X
26	4-40 UNC Threaded insert	242 A 28030 X
44	4-40 UNC Threaded insert	242 A 28040 X
62	4-40 UNC Threaded insert	242 A 28050 X
15	M3 Threaded insert	242 A 28060 X
26	M3 Threaded insert	242 A 28070 X
44	M3 Threaded insert	242 A 28080 X
62	M3 Threaded insert	242 A 28090 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 28180 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 28190 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 28200 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 28210 X
15	PCB clip / M3 Threaded insert	242 A 28220 X
26	PCB clip / M3 Threaded insert	242 A 28230 X
44	PCB clip / M3 Threaded insert	242 A 28240 X
62	PCB clip / M3 Threaded insert	242 A 28250 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 28120 X
26	4-40 UNC Threaded insert	241 A 28130 X
44	4-40 UNC Threaded insert	241 A 28140 X
62	4-40 UNC Threaded insert	241 A 28150 X
15	M3 Threaded insert	241 A 28160 X
26	M3 Threaded insert	241 A 28170 X
44	M3 Threaded insert	241 A 28180 X
62	M3 Threaded insert	241 A 28190 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 28280 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 28290 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 28300 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 28310 X
15	PCB clip / M3 Threaded insert	241 A 28320 X
26	PCB clip / M3 Threaded insert	241 A 28330 X
44	PCB clip / M3 Threaded insert	241 A 28340 X
62	PCB clip / M3 Threaded insert	241 A 28350 X

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

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242 A 19810 X
26	4-40 UNC Threaded insert	242 A 19820 X
44	4-40 UNC Threaded insert	242 A 19830 X
62	4-40 UNC Threaded insert	242 A 19840 X
15	M3 Threaded insert	242 A 19890 X
26	M3 Threaded insert	242 A 19900 X
44	M3 Threaded insert	242 A 19910 X
62	M3 Threaded insert	242 A 19920 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 19490 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 19500 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 19510 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 19520 X
15	PCB clip / M3 Threaded insert	242 A 19570 X
26	PCB clip / M3 Threaded insert	242 A 19580 X
44	PCB clip / M3 Threaded insert	242 A 19590 X
62	PCB clip / M3 Threaded insert	242 A 19600 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 18220 X
26	4-40 UNC Threaded insert	241 A 18230 X
44	4-40 UNC Threaded insert	241 A 18240 X
62	4-40 UNC Threaded insert	241 A 18250 X
15	M3 Threaded insert	241 A 18300 X
26	M3 Threaded insert	241 A 18310 X
44	M3 Threaded insert	241 A 18320 X
62	M3 Threaded insert	241 A 18330 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 17900 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 17910 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 17920 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 17930 X
15	PCB clip / M3 Threaded insert	241 A 17980 X
26	PCB clip / M3 Threaded insert	241 A 17990 X
44	PCB clip / M3 Threaded insert	241 A 18000 X
62	PCB clip / M3 Threaded insert	241 A 18010 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242 A 19850 X
26	4-40 UNC Threaded insert	242 A 19860 X
44	4-40 UNC Threaded insert	242 A 19870 X
62	4-40 UNC Threaded insert	242 A 19880 X
15	M3 Threaded insert	242 A 19930 X
26	M3 Threaded insert	242 A 19940 X
44	M3 Threaded insert	242 A 19950 X
62	M3 Threaded insert	242 A 19960 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 19530 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 19540 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 19550 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 19560 X
15	PCB clip / M3 Threaded insert	242 A 19610 X
26	PCB clip / M3 Threaded insert	242 A 19620 X
44	PCB clip / M3 Threaded insert	242 A 19630 X
62	PCB clip / M3 Threaded insert	242 A 19640 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 18260 X
26	4-40 UNC Threaded insert	241 A 18270 X
44	4-40 UNC Threaded insert	241 A 18280 X
62	4-40 UNC Threaded insert	241 A 18290 X
15	M3 Threaded insert	241 A 18340 X
26	M3 Threaded insert	241 A 18350 X
44	M3 Threaded insert	241 A 18360 X
62	M3 Threaded insert	241 A 18370 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 17940 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 17950 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 17960 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 17970 X
15	PCB clip / M3 Threaded insert	241 A 18020 X
26	PCB clip / M3 Threaded insert	241 A 18030 X
44	PCB clip / M3 Threaded insert	241 A 18040 X
62	PCB clip / M3 Threaded insert	241 A 18050 X

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

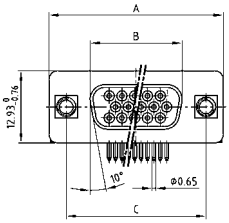
Solder pin – Angled – .350"/7.98 mm – Precision machined contacts – Metal bracket

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)

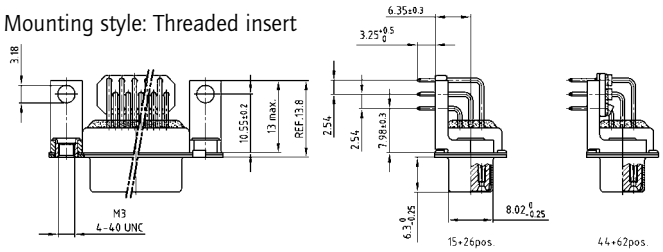
SOCKET CONNECTOR



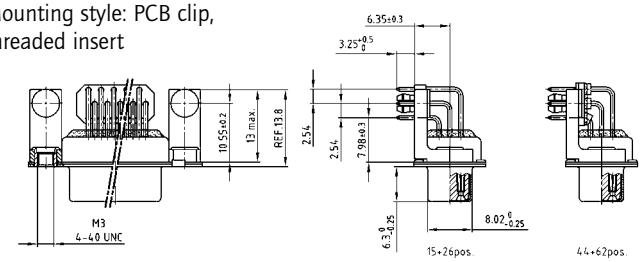
No. of pos.	A -0.76	B -0.25	C
15	31.19	16.46	25.00 +0.12 -0.13
26	39.52	24.79	33.30 +0.15 -0.10
44	53.42	38.50	47.04 ±0.13
62	69.70	54.96	63.50 ±0.13

PCB layout: Kat1iU1A

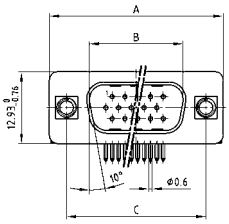
Mounting style: Threaded insert



Mounting style: PCB clip, threaded insert



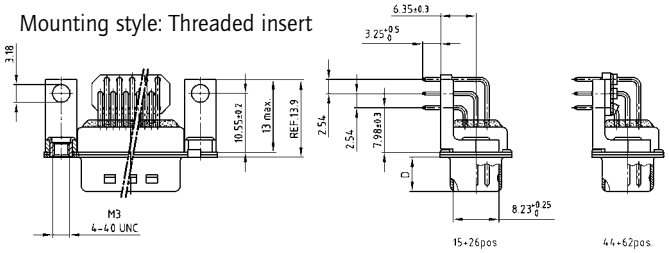
PLUG CONNECTOR



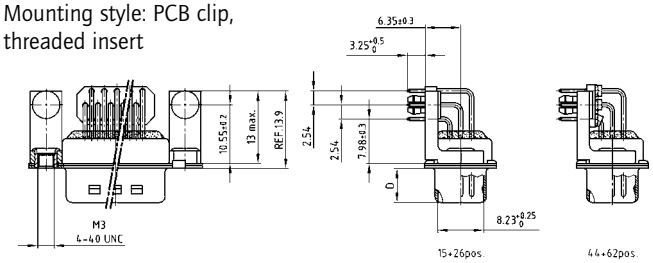
No. of pos.	A -0.76	B +0.25	C	D -0.3
15	31.19	16.79	25.00 +0.12 -0.13	6.12
26	39.52	25.12	33.30 +0.15 -0.10	6.12
44	53.42	38.84	47.04 ±0.13	5.99
62	69.70	55.30	63.50 ±0.13	5.99

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	242 A 26580 X
26	4-40 UNC Threaded insert	242 A 26590 X
44	4-40 UNC Threaded insert	242 A 26600 X
62	4-40 UNC Threaded insert	242 A 26610 X
15	M3 Threaded insert	242 A 26660 X
26	M3 Threaded insert	242 A 26670 X
44	M3 Threaded insert	242 A 26680 X
62	M3 Threaded insert	242 A 26690 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 26620 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 26630 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 26640 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 26650 X
15	PCB clip / M3 Threaded insert	242 A 26700 X
26	PCB clip / M3 Threaded insert	242 A 26710 X
44	PCB clip / M3 Threaded insert	242 A 26720 X
62	PCB clip / M3 Threaded insert	242 A 26730 X

PLUG CONNECTOR

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 26680 X
26	4-40 UNC Threaded insert	241 A 26690 X
44	4-40 UNC Threaded insert	241 A 26700 X
62	4-40 UNC Threaded insert	241 A 26710 X
15	M3 Threaded insert	241 A 26760 X
26	M3 Threaded insert	241 A 26770 X
44	M3 Threaded insert	241 A 26780 X
62	M3 Threaded insert	241 A 26790 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 26720 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 26730 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 26740 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 26750 X
15	PCB clip / M3 Threaded insert	241 A 26800 X
26	PCB clip / M3 Threaded insert	241 A 26810 X
44	PCB clip / M3 Threaded insert	241 A 26820 X
62	PCB clip / M3 Threaded insert	241 A 26830 X

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

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242 A 25620 X
26	4-40 UNC Threaded insert	242 A 25630 X
44	4-40 UNC Threaded insert	242 A 25640 X
62	4-40 UNC Threaded insert	242 A 25650 X
15	M3 Threaded insert	242 A 25700 X
26	M3 Threaded insert	242 A 25710 X
44	M3 Threaded insert	242 A 25720 X
62	M3 Threaded insert	242 A 25730 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25780 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 25790 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 25800 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 25810 X
15	PCB clip / M3 Threaded insert	242 A 25860 X
26	PCB clip / M3 Threaded insert	242 A 25870 X
44	PCB clip / M3 Threaded insert	242 A 25880 X
62	PCB clip / M3 Threaded insert	242 A 25890 X

Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 25720 X
26	4-40 UNC Threaded insert	241 A 25730 X
44	4-40 UNC Threaded insert	241 A 25740 X
62	4-40 UNC Threaded insert	241 A 25750 X
15	M3 Threaded insert	241 A 25800 X
26	M3 Threaded insert	241 A 25810 X
44	M3 Threaded insert	241 A 25820 X
62	M3 Threaded insert	241 A 25830 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25880 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 25890 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 25900 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 25910 X
15	PCB clip / M3 Threaded insert	241 A 25960 X
26	PCB clip / M3 Threaded insert	241 A 25970 X
44	PCB clip / M3 Threaded insert	241 A 25980 X
62	PCB clip / M3 Threaded insert	241 A 25990 X

Capacitance 830 pF

Socket connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	242 A 25660 X
26	4-40 UNC Threaded insert	242 A 25670 X
44	4-40 UNC Threaded insert	242 A 25680 X
62	4-40 UNC Threaded insert	242 A 25690 X
15	M3 Threaded insert	242 A 25740 X
26	M3 Threaded insert	242 A 25750 X
44	M3 Threaded insert	242 A 25760 X
62	M3 Threaded insert	242 A 25770 X
15	PCB clip / 4-40 UNC Threaded insert	242 A 25820 X
26	PCB clip / 4-40 UNC Threaded insert	242 A 25830 X
44	PCB clip / 4-40 UNC Threaded insert	242 A 25840 X
62	PCB clip / 4-40 UNC Threaded insert	242 A 25850 X
15	PCB clip / M3 Threaded insert	242 A 25900 X
26	PCB clip / M3 Threaded insert	242 A 25910 X
44	PCB clip / M3 Threaded insert	242 A 25920 X
62	PCB clip / M3 Threaded insert	242 A 25930 X

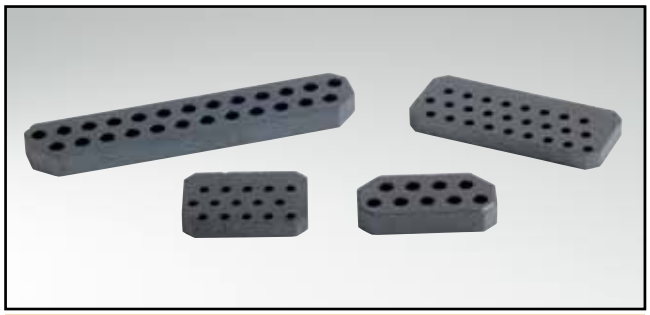
Plug connector

No. of pos.	Mounting style	Part Number
15	4-40 UNC Threaded insert	241 A 25760 X
26	4-40 UNC Threaded insert	241 A 25770 X
44	4-40 UNC Threaded insert	241 A 25780 X
62	4-40 UNC Threaded insert	241 A 25790 X
15	M3 Threaded insert	241 A 25840 X
26	M3 Threaded insert	241 A 25850 X
44	M3 Threaded insert	241 A 25860 X
62	M3 Threaded insert	241 A 25870 X
15	PCB clip / 4-40 UNC Threaded insert	241 A 25920 X
26	PCB clip / 4-40 UNC Threaded insert	241 A 25930 X
44	PCB clip / 4-40 UNC Threaded insert	241 A 25940 X
62	PCB clip / 4-40 UNC Threaded insert	241 A 25950 X
15	PCB clip / M3 Threaded insert	241 A 26000 X
26	PCB clip / M3 Threaded insert	241 A 26010 X
44	PCB clip / M3 Threaded insert	241 A 26020 X
62	PCB clip / M3 Threaded insert	241 A 26030 X

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

Filter D-SUB – Accessories

Ferrite for Standard and High Density D-SUB

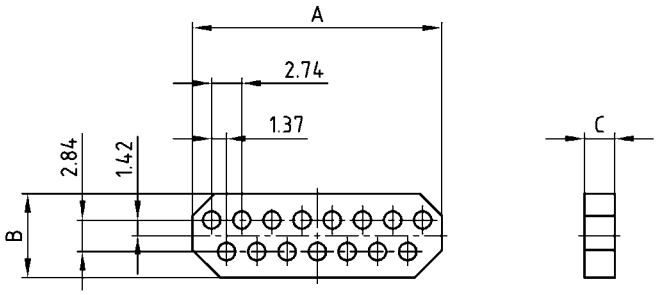


RoHS compliant

Description

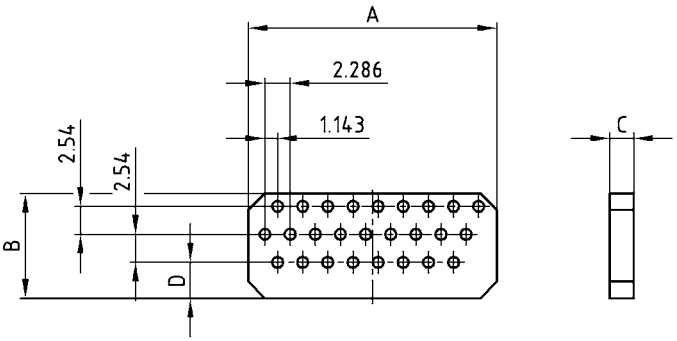
- Ferrite black for use with D-SUB Connectors

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

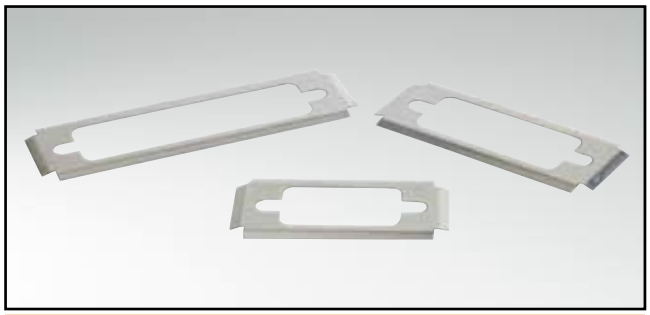
No. of pos.	Part Number
09	240 X 10019 X
15	240 X 10029 X
25	240 X 10039 X
37	240 X 10049 X

Ferrite for High Density angled D-SUB

No. of pos.	Part Number
15	240 X 10069 X
26	240 X 10079 X

FILTER D-SUB – ACCESSORIES

EMI / RFI shielding frames

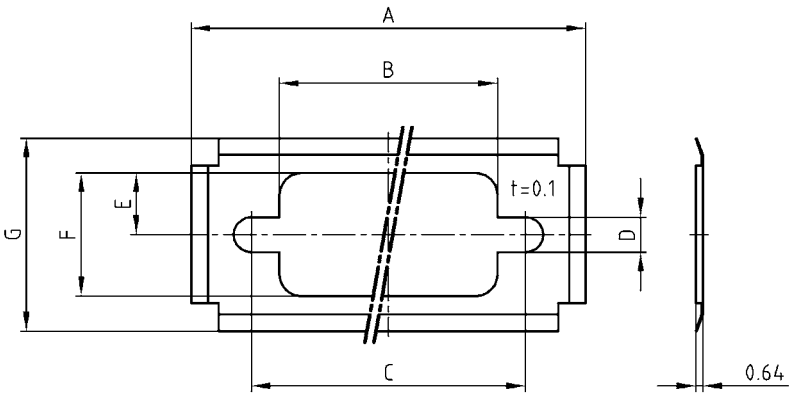


RoHS compliant

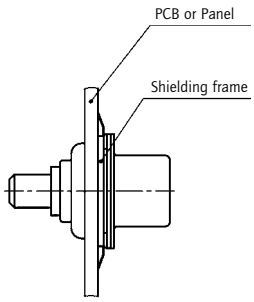
DESCRIPTION

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

PRODUCT DRAWING



Shell size	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	160 X 10839 X
2	15	26	160 X 10849 X
3	25	44	160 X 10859 X
4	37	62	160 X 10869 X
5	50	78	160 X 10879 X