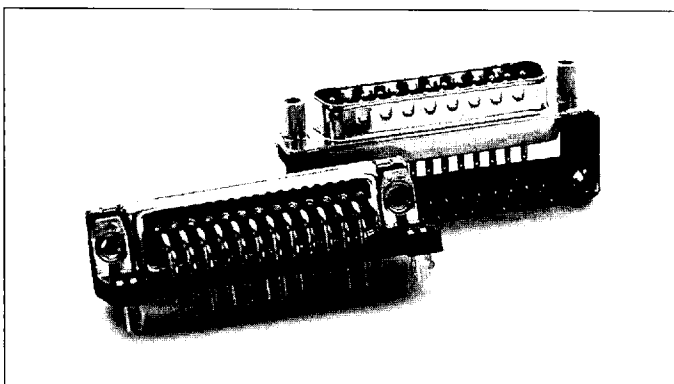
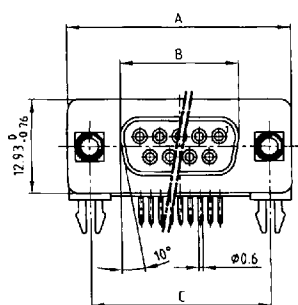




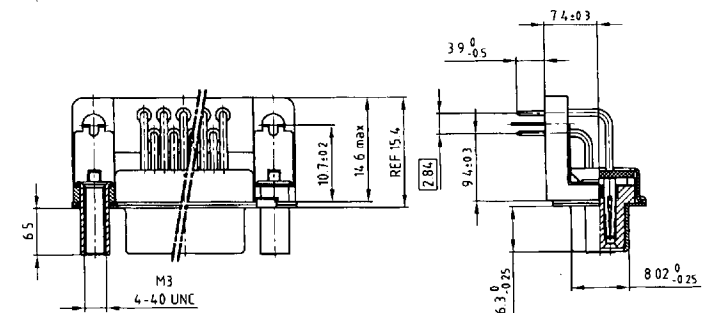
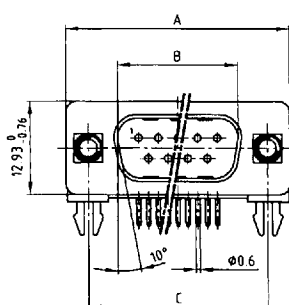
•370 inch

Solder pin angled with threaded lock, mounting bracket and grounding clip

Socket connector



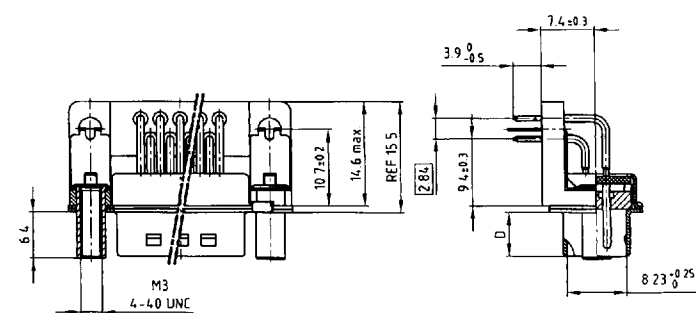
Plug connector



clip for PCB Ø 3.1 ± 0.1, t = 1.6 mm

Kat 1 i D3A

No. of pos.	A - 0.76	B - 0.25	C
9	31,19	16,46	25,00 ± 0.13
15	39,52	24,79	33,30 ± 0.15
25	53,42	38,50	47,04 ± 0.13
37	69,70	54,96	63,50 ± 0.13



clip for PCB Ø 3.1 ± 0.1, t = 1.6 mm

Kat 1 i D4A

No. of pos.	A - 0.76	B ± 0.25	C	D - 0.30
9	31,19	16,79	25,00 ± 0.13	6,12
15	39,52	25,12	33,30 ± 0.15	6,12
25	53,42	38,84	47,04 ± 0.13	5,99
37	69,70	55,30	63,50 ± 0.13	5,99

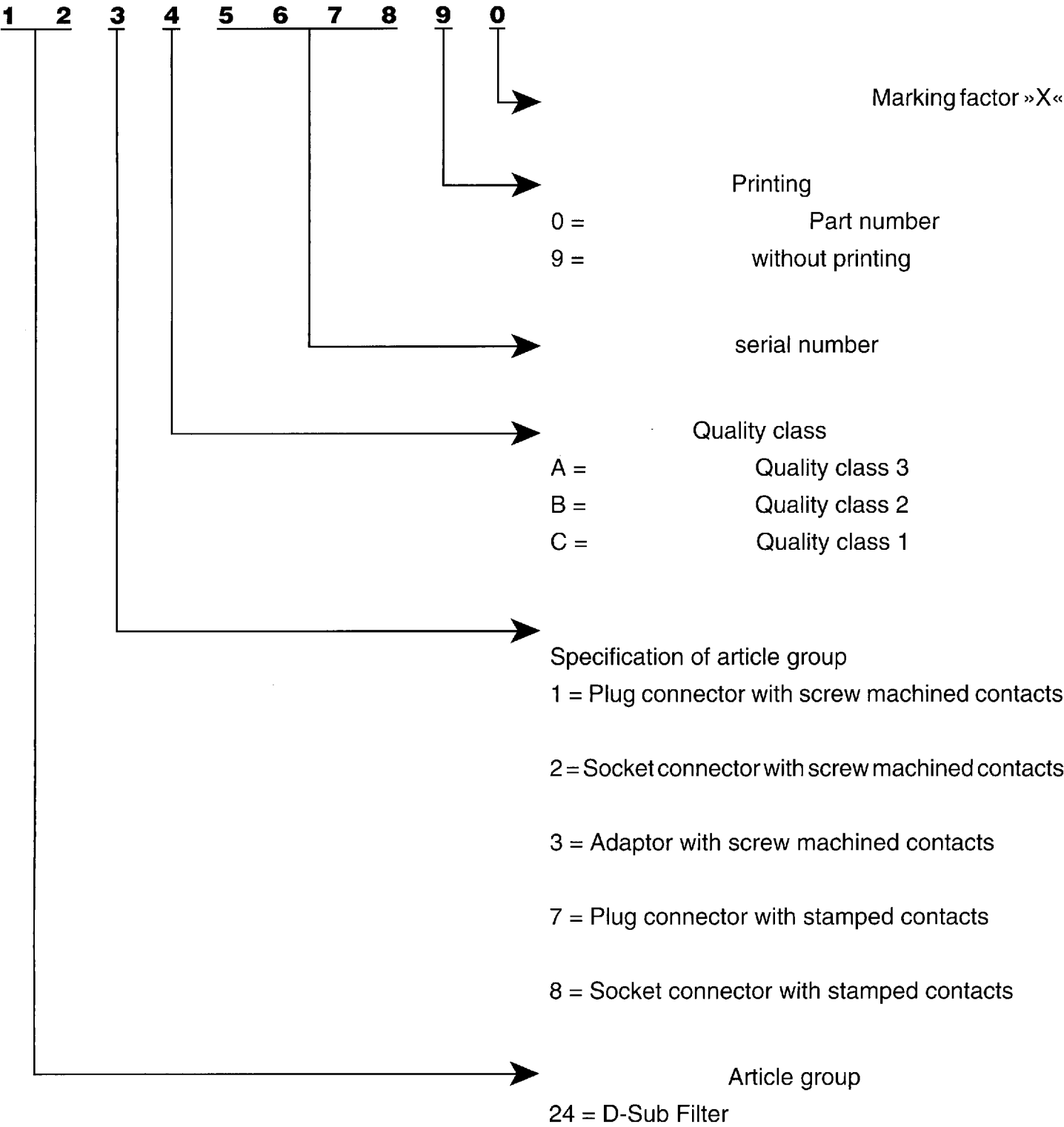
Part numbers

No. of Pos.	Socket connector – Solder pin angled			
	Typ 1	Typ 3	Typ 4	Typ 5
9	242 A 17100 X	242 A 13060 X	242 A 13140 X	242 A 13100 X
15	242 A 17110 X	242 A 13070 X	242 A 13150 X	242 A 13110 X
25	242 A 17120 X	242 A 13080 X	242 A 13160 X	242 A 13120 X
37	242 A 17130 X	242 A 13090 X	242 A 13170 X	242 A 13130 X
9	242 A 17140 X	242 A 13180 X	242 A 13260 X	242 A 13220 X
15	242 A 17150 X	242 A 13190 X	242 A 13270 X	242 A 13230 X
25	242 A 17160 X	242 A 13200 X	242 A 13280 X	242 A 13240 X
37	242 A 17170 X	242 A 13210 X	242 A 13290 X	242 A 13250 X

No. of Pos.	Plug connector – Solder pin angled			
	Typ 1	Typ 3	Typ 4	Typ 5
9	241 A 19720 X	241 A 13040 X	241 A 13120 X	241 A 13080 X
15	241 A 19730 X	241 A 13050 X	241 A 13130 X	241 A 13090 X
25	241 A 19740 X	241 A 13060 X	241 A 13140 X	241 A 13100 X
37	241 A 19750 X	241 A 13070 X	241 A 13150 X	241 A 13110 X
9	241 A 19760 X	241 A 13160 X	241 A 13240 X	241 A 13200 X
15	241 A 19770 X	241 A 13170 X	241 A 13250 X	241 A 13210 X
25	241 A 19780 X	241 A 13180 X	241 A 13260 X	241 A 13220 X
37	241 A 19790 X	241 A 13190 X	241 A 13270 X	241 A 13230 X

Filter connectors

Part number

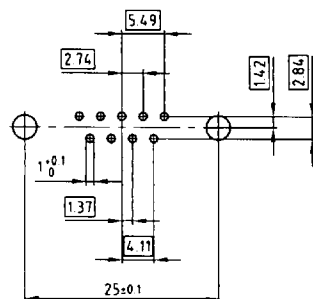


Order example

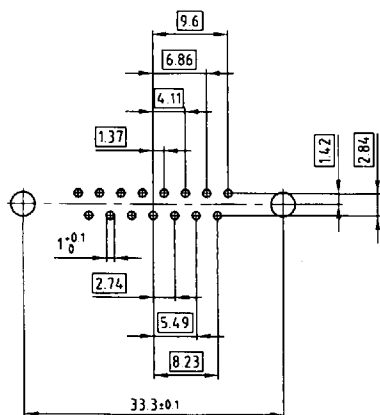
Plug connector solder pin angled 25 pos.		
Quality class	with screw machine contacts	with stamped contacts
3	241 A 12900 X	247 A 12900 X
2	241 B 12900 X	247 B 12900 X
1	241 C 12900 X	247 C 12900 X

Hole pattern for straight and angled solder pins D-Sub filter

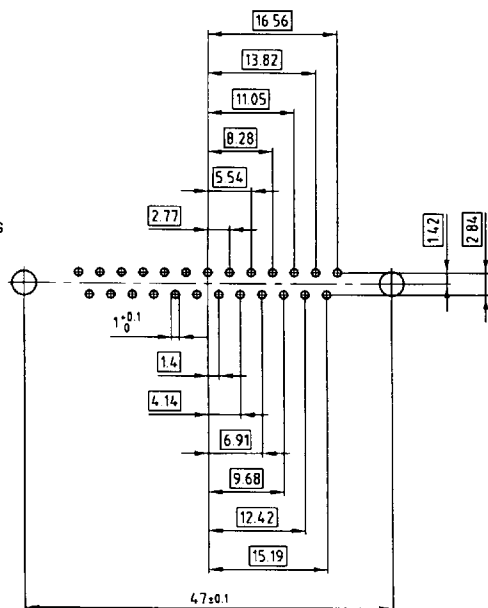
9 pos



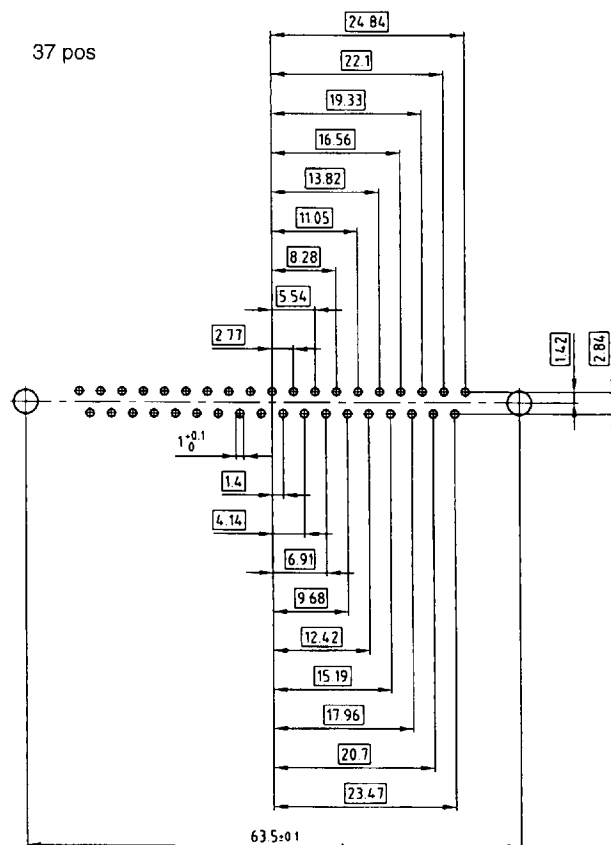
15 pos



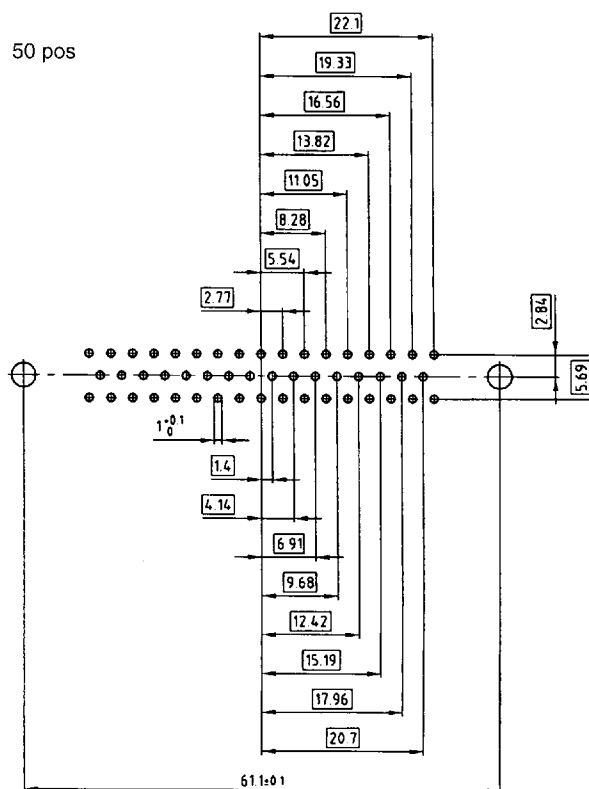
25 pos



37 pos



50 pos



Technical Data	D-Sub Standard 9,15,25,37,50 pos.	D-Sub High Density 15,26,44,62 pos.
Insulators	Polyester GF UL 94 V-0	PA 6.6 GF 25 UL 94 V-0
Contacts	Copper alloy	
Contact finish	hard-gold-plated over nickel, solder area tin plated	
Shell	steel tin plated over nickel	
Working voltage	100 V _{DC} Insulation Gr. A according to VDE 0100 *	60 V _{DC} Insulation Gr. A according to VDE 0100 *
Dielectric stand. voltage	424 V _{DC} standard 707 V _{DC} „high voltage“	424 V _{DC}
Contact resistance	max. 10mΩ with no load Δ R max. 10 mΩ with load according to din 41652 part. 2	
Insulation resistance	depending on quality class 1 ≥ 10 ¹² Ω 2 ≥ 10 ¹¹ Ω 3 ≥ 10 ⁸ Ω	
Current rating	straight version: 5,0 A (20° C) angled version: 2,5 A (20° C)	straight version: 3,0 A (20° C) angled version: 2,5 A (20° C)
Voltage surge 10/750 μs	300 V standard 500 V „high voltage“	300 V standard
Mating-/ unmating forces	9-pol. ≤ 30/29 N 15-pol. ≤ 50/33 N 25-pol. ≤ 83/56 N 37-pol. ≤ 123/82 N 50-pol. ≤ 167/111 N	15-pol. ≤ 50/33 N 26-pol. ≤ 83/56 N 44-pol. ≤ 110/74 N
Temperature range storage	- 55° C /to + 125° C	
Temperature range working	- 25° C /to + 105° C	- 25° C /to + 85° C
Humidity	40° C / 85% relative	
Capacitor values	/type 1 min. 144 pF max. 216 pF /type 2 min. 240 pF max. 360 pF /type 3 min. 296 pF max. 444 pF /type 4 min. 664 pF max. 996 pF /type 5 min. 1040 pF max. 1560 pF	/type 3 min. 296 pF max. 444 pF /type 4 min. 664 pF max. 996 pF
Quality class	/Quality class 3 = 50 mating cycles /Quality class 2 = 200 mating cycles /Quality class 1 = 500 mating cycles	

Mouser Electronics

Authorized Distributor

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CONEC:

<u>241A13040X</u>	<u>241A13050X</u>	<u>241A13060X</u>	<u>241A13070X</u>	<u>241A13080X</u>	<u>241A13090X</u>	<u>241A13110X</u>	<u>241A13120X</u>
<u>241A13130X</u>	<u>241A13140X</u>	<u>241A13150X</u>	<u>241A13160X</u>	<u>241A13170X</u>	<u>241A13180X</u>	<u>241A13190X</u>	<u>241A13200X</u>
<u>241A13210X</u>	<u>241A13220X</u>	<u>241A13230X</u>	<u>241A13240X</u>	<u>241A13250X</u>	<u>241A13260X</u>	<u>241A13270X</u>	<u>241A19720X</u>
<u>241A19730X</u>	<u>241A19740X</u>	<u>241A19750X</u>	<u>241A19760X</u>	<u>241A19770X</u>	<u>241A19780X</u>	<u>241A19790X</u>	<u>242A13060X</u>
<u>242A13070X</u>	<u>242A13080X</u>	<u>242A13090X</u>	<u>242A13110X</u>	<u>242A13120X</u>	<u>242A13130X</u>	<u>242A13140X</u>	<u>242A13150X</u>
<u>242A13160X</u>	<u>242A13170X</u>	<u>242A13180X</u>	<u>242A13190X</u>	<u>242A13200X</u>	<u>242A13210X</u>	<u>242A13220X</u>	<u>242A13230X</u>
<u>242A13240X</u>	<u>242A13250X</u>	<u>242A13260X</u>	<u>242A13270X</u>	<u>242A13280X</u>	<u>242A13290X</u>	<u>242A17100X</u>	<u>242A17110X</u>
<u>242A17120X</u>	<u>242A17130X</u>	<u>242A17140X</u>	<u>242A17150X</u>	<u>242A17160X</u>	<u>242A17170X</u>		