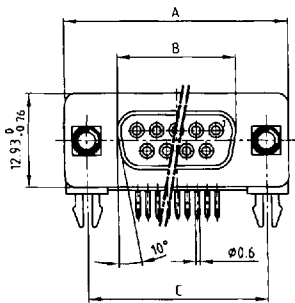


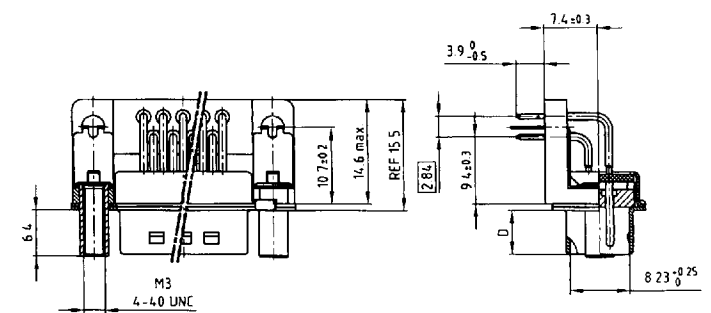
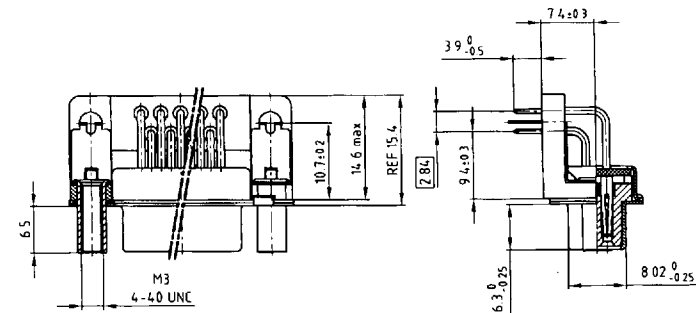
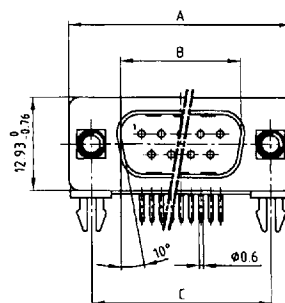
•370 inch

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

Socket connector



Plug connector



clip for PCB  $\varnothing 3.1 \pm 0.1$ ,  $t = 1.6$  mm

clip for PCB  $\varnothing 3.1 \pm 0.1$ ,  $t = 1.6$  mm

Kat 1 i D3A

Kat 1 i D4A

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

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

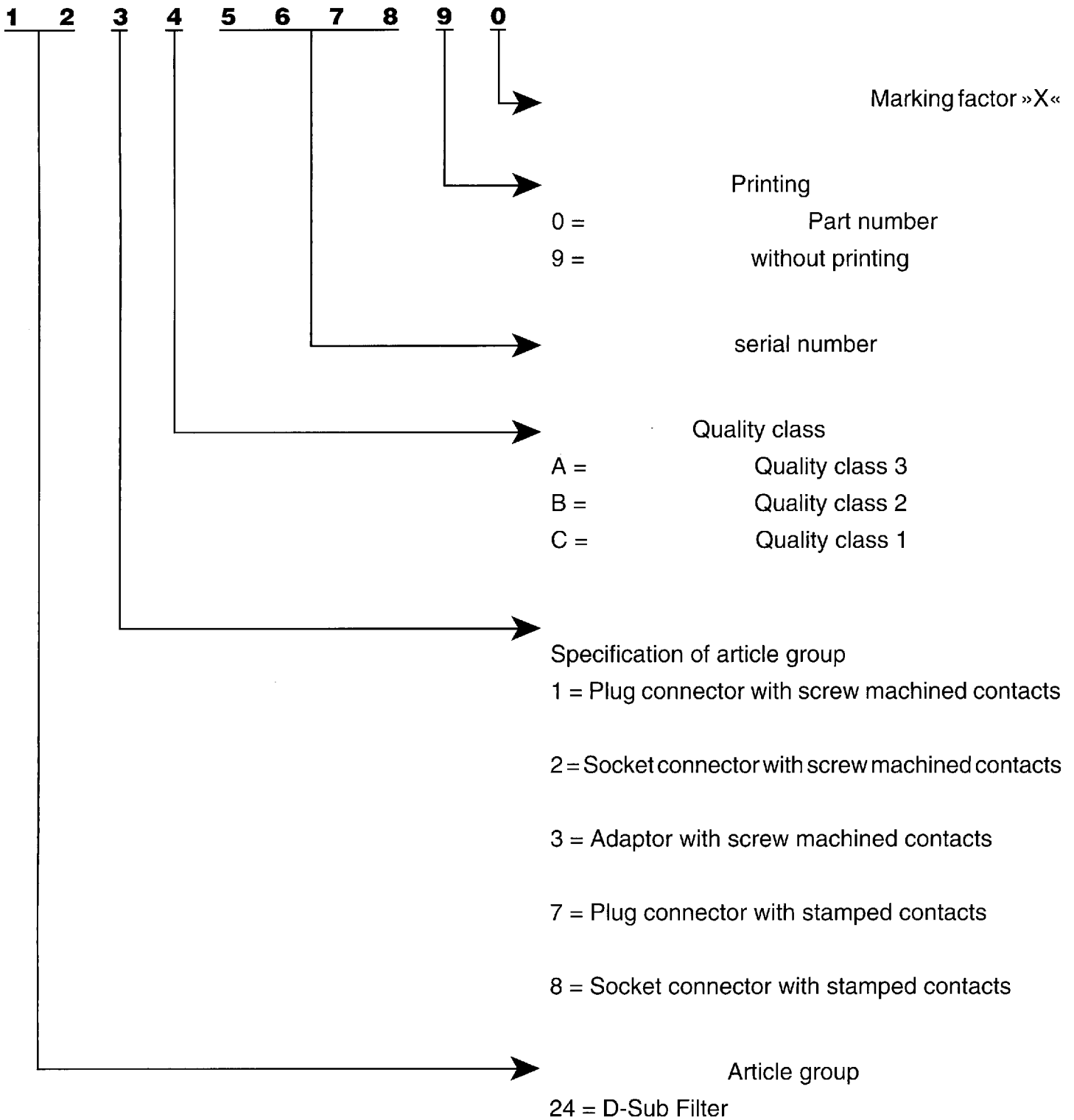
## Part numbers

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

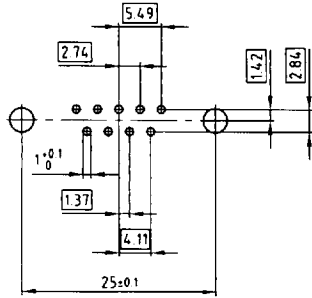


## Order example

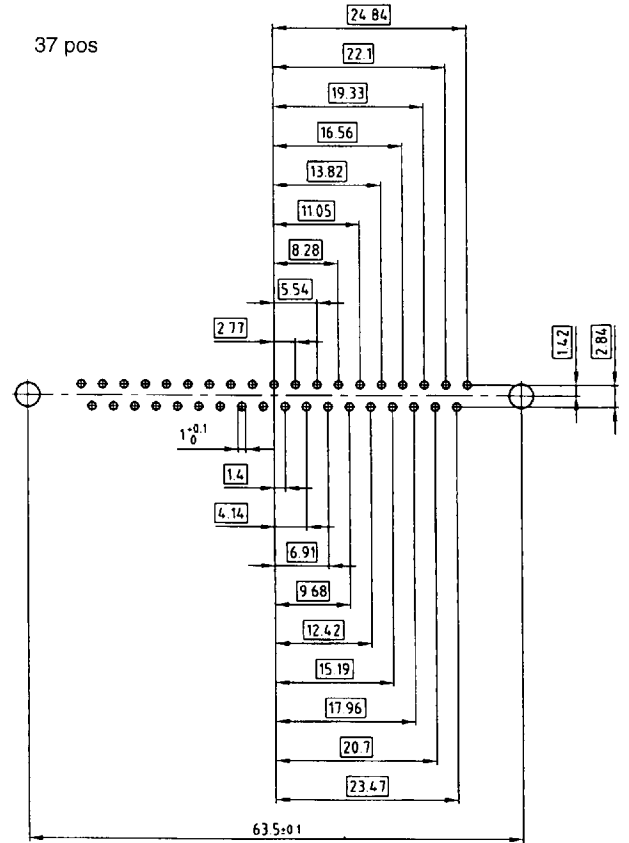
Plug connector solder pin angled 25 pos.		
Quality class	with screw machine contacts	with stamped contacts
<b>3</b>	241 <b>A</b> 12900 X	247 <b>A</b> 12900 X
<b>2</b>	241 <b>B</b> 12900 X	247 <b>B</b> 12900 X
<b>1</b>	241 <b>C</b> 12900 X	247 <b>C</b> 12900 X

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

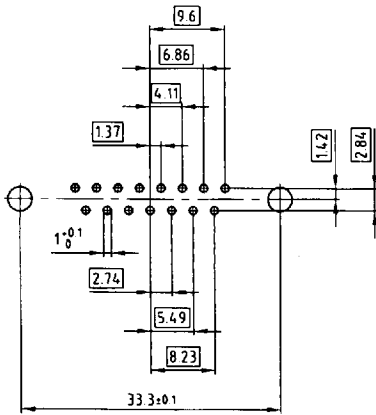
9 pos



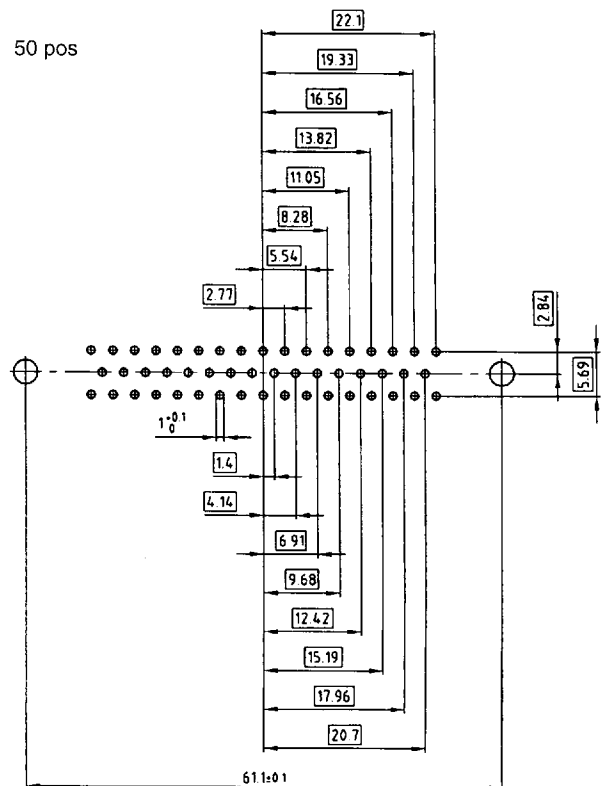
37 pos



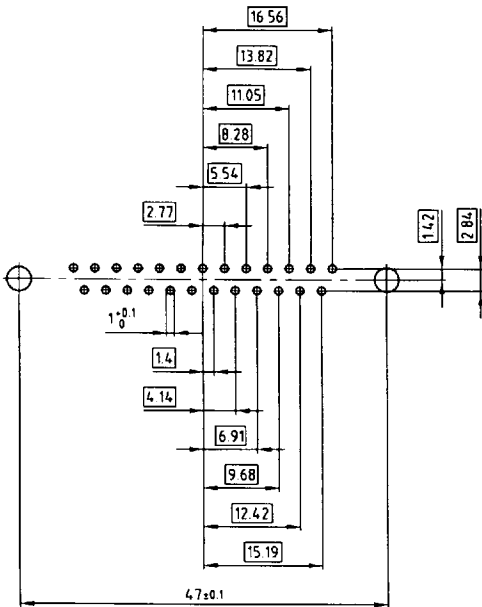
15 pos



50 pos



25 pos



<b>Technical Data</b>	<b>D-Sub Standard 9,15,25,37,50 pos.</b>	<b>D-Sub High Density 15,26,44,62 pos.</b>
<b>Insulators</b>	Polyester GF UL 94 V-0	PA 6.6 GF 25 UL 94 V-0
<b>Contacts</b>	Copper alloy	
<b>Contact finish</b>	hard-gold-plated over nickel, solder area tin plated	
<b>Shell</b>	steel tin plated over nickel	
<b>Working voltage</b>	100 V <sub>DC</sub> Insulation Gr. A according to VDE 0100 *	60 V <sub>DC</sub> Insulation Gr. A according to VDE 0100 *
<b>Dielectric stand. voltage</b>	424 V <sub>DC</sub> standard 707 V <sub>DC</sub> „high voltage“	424 V <sub>DC</sub>
<b>Contact resistance</b>	max. 10mΩ with no load Δ R max. 10 mΩ with load according to din 41652 part. 2	
<b>Insulation resistance</b>	depending on quality class 1 ≥ 10 <sup>12</sup> Ω    2 ≥ 10 <sup>11</sup> Ω    3 ≥ 10 <sup>8</sup> Ω	
<b>Current rating</b>	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)
<b>Voltage surge 10/750 μs</b>	300 V standard 500 V „high voltage“	300 V standard
<b>Mating-/ unmating forces</b>	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
<b>Temperature range storage</b>	- 55° C /to + 125° C	
<b>Temperature range working</b>	- 25° C /to + 105° C	- 25° C /to + 85° C
<b>Humidity</b>	40° C / 85% relative	
<b>Capacitor values</b>	/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
<b>Quality class</b>	/Quality class 3 = 50 mating cycles /Quality class 2 = 200 mating cycles /Quality class 1 = 500 mating cycles	