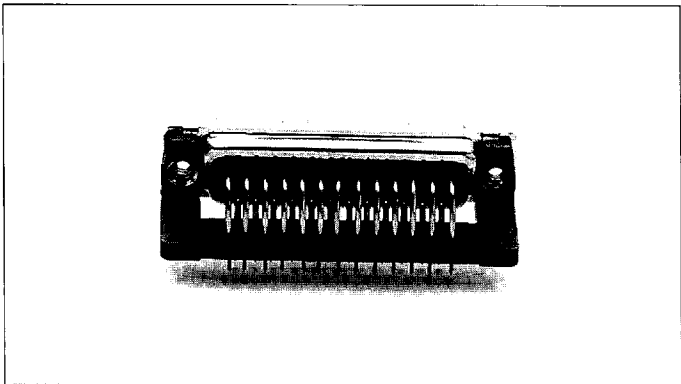


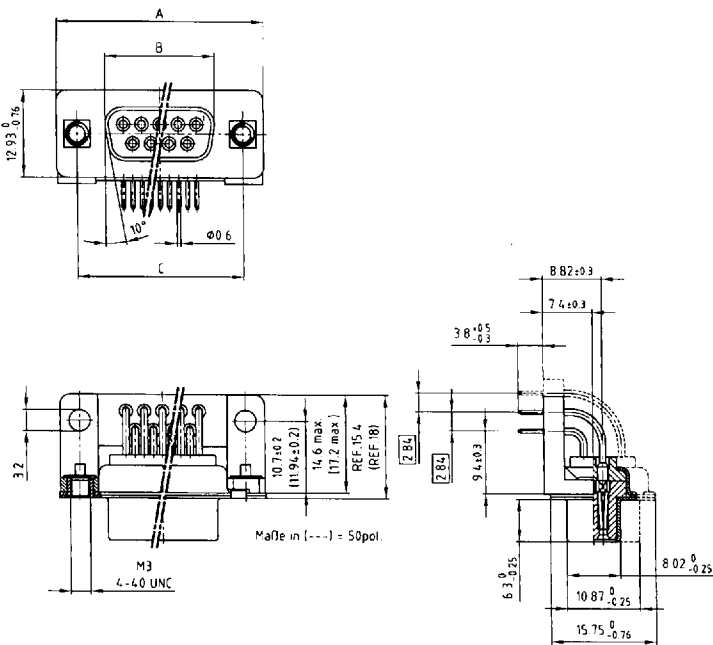
D-Subminiature connectors



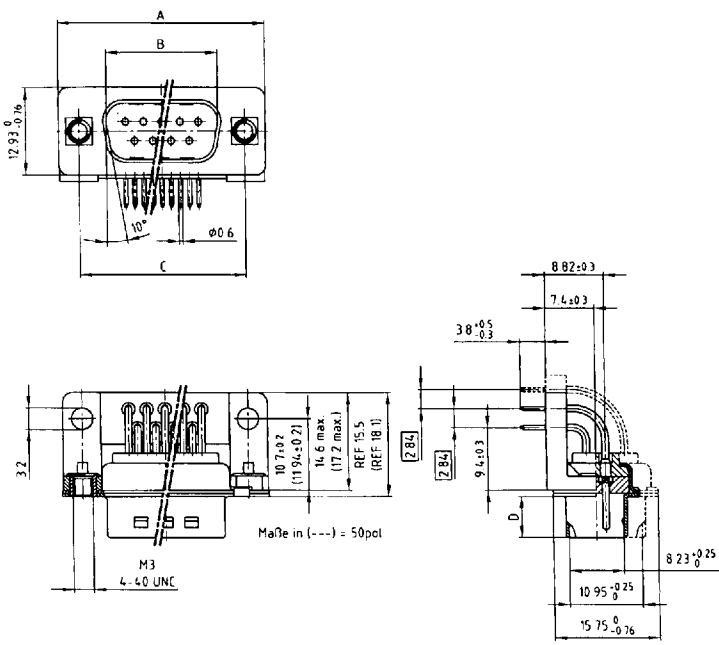
•370 inch

Solder pin angled with threaded insert and mounting bracket

Socket connector



Plug connector



Kat 1 i I2A

No. of pos.	A - 0,76	B - 0,25	C
9	31,19	16,46	25,00 $\pm 0,13$ $\pm 0,13$
15	39,52	24,79	33,30 $\pm 0,15$ $\pm 0,16$
25	53,42	38,50	47,04 $\pm 0,13$
37	69,70	54,96	63,50 $\pm 0,15$
50	67,31	52,55	61,10 $\pm 0,14$ $\pm 0,11$

Kat 1 i I3A

No. of pos.	A - 0,76	B + 0,25	C	D - 0,30
9	31,19	16,79	25,00 $\pm 0,13$ $\pm 0,13$	6,12
15	39,52	25,12	33,30 $\pm 0,15$ $\pm 0,16$	6,12
25	53,42	38,84	47,04 $\pm 0,13$	5,99
37	69,70	55,30	63,50 $\pm 0,13$	5,99
50	67,31	52,68	61,10 $\pm 0,14$ $\pm 0,11$	5,99

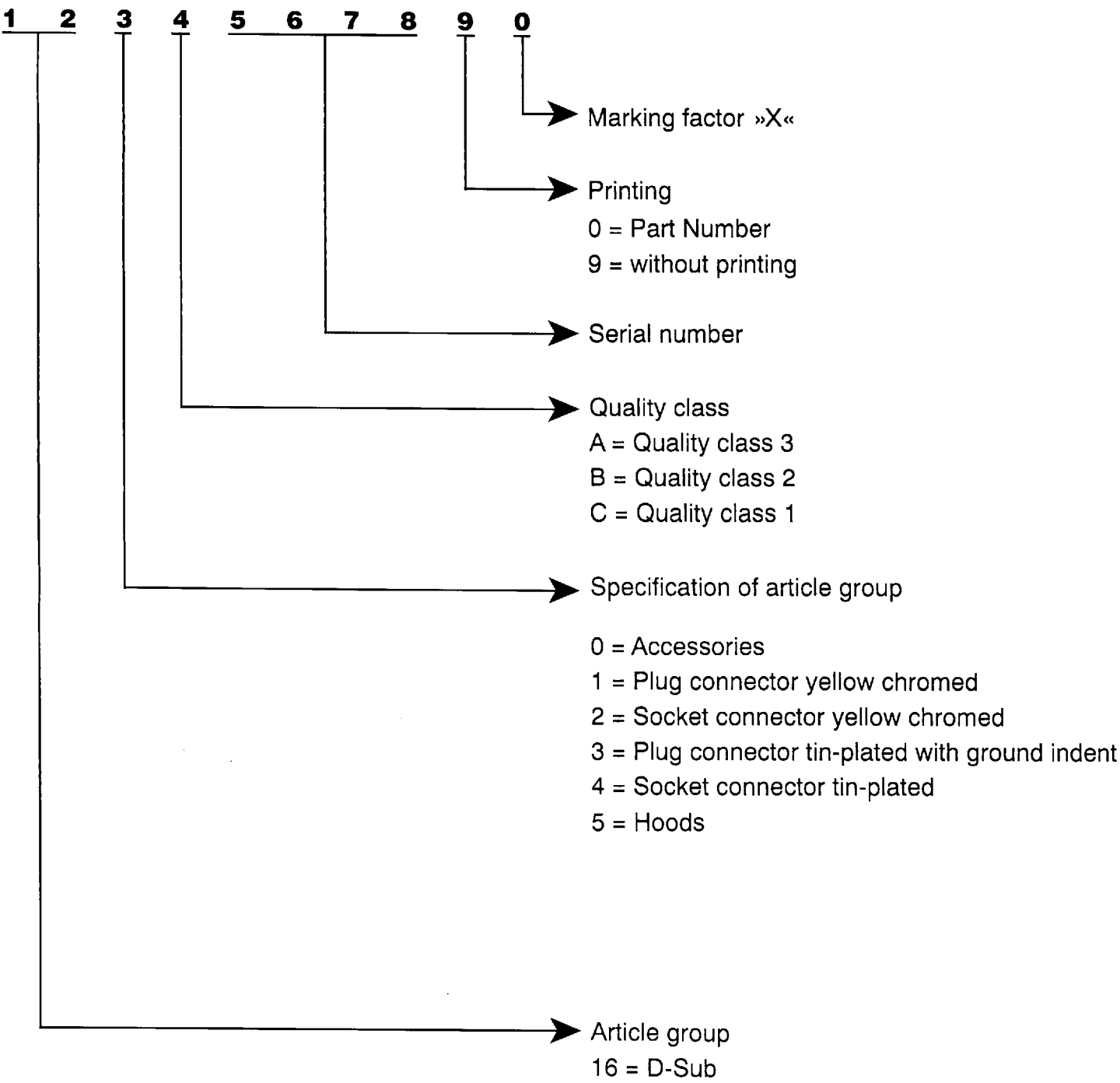
Part numbers

No. of Pos.	Socket connector tin-plated – solder pin angled	
	UNC 4-40	M 3
9	CDF 09 ABZKUNSN 164 A 10719 X	CDF 09 ABZKMSN 164 A 10769 X
15	CDF 15 ABZKUNSN 164 A 10729 X	CDF 15 ABZKMSN 164 A 10779 X
25	CDF 25 ABZKUNSN 164 A 10739 X	CDF 25 ABZKMSN 164 A 10789 X
37	CDF 37 ABZKUNSN 164 A 10749 X	CDF 37 ABZKMSN 164 A 10799 X
50	CDF 50 ABZKUNSN 164 A 10759 X	CDF 50 ABZKMSN 164 A 10809 X

No. of Pos.	Plug connector tin-plated with ground indent – solder pin angled	
	UNC 4-40	M 3
9	CDS 09 AFBZKUNSN 163 A 11769 X	CDS 09 AFBZKMSN 163 A 11819 X
15	CDS 15 AFBZKUNSN 163 A 11779 X	CDS 15 AFBZKMSN 163 A 11829 X
25	CDS 25 AFBZKUNSN 163 A 11789 X	CDS 25 AFBZKMSN 163 A 11839 X
37	CDS 37 AFBZKUNSN 163 A 11799 X	CDS 37 AFBZKMSN 163 A 11849 X
50	CDS 50 AFBZKUNSN 163 A 11809 X	CDS 50 AFBZKMSN 163 A 11859 X



Part Number



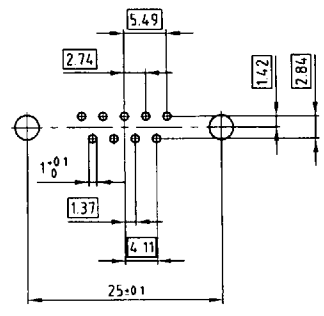
Order example

Plug connector Solder bucket 25 pos. without printing			
Quality class		Part Number	
3		CDS 25 L	161 A 10039 X
2		CDS 25 L	161 B 10039 X
1		CDS 25 L	161 C 10039 X

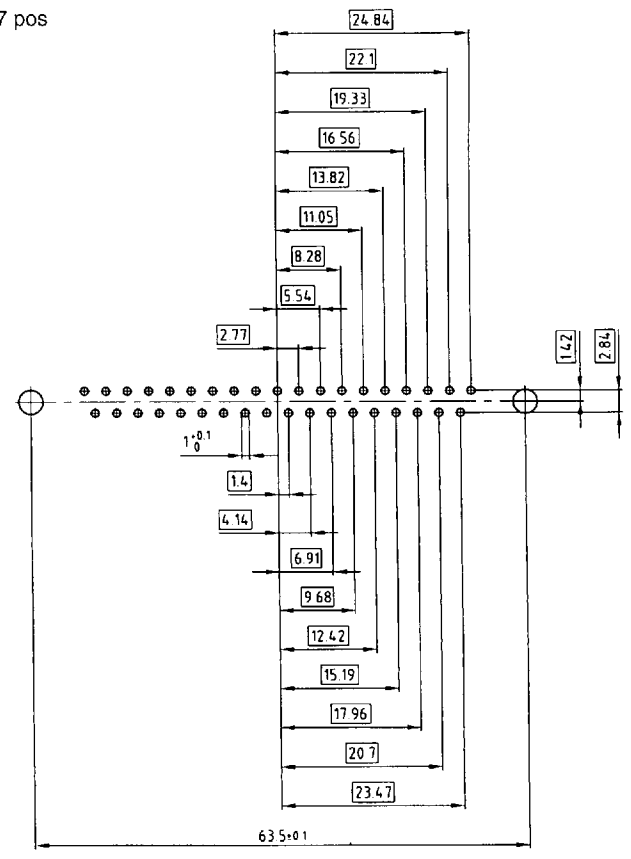
D-Subminiature connectors

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

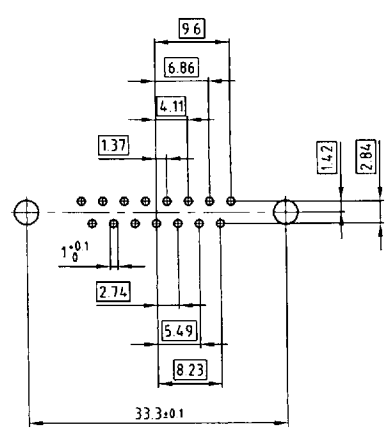
9 pos



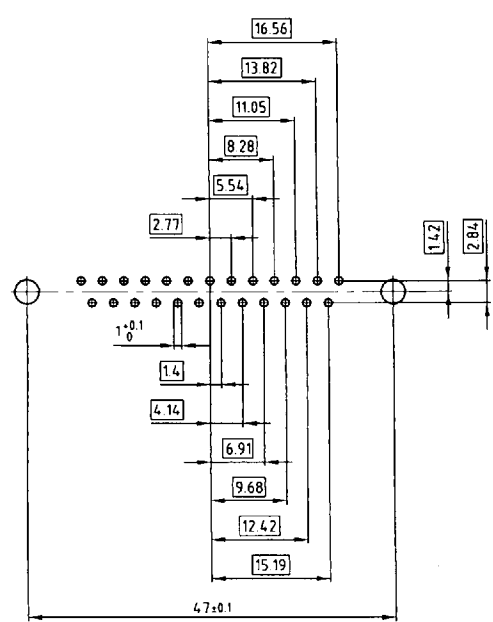
37 pos



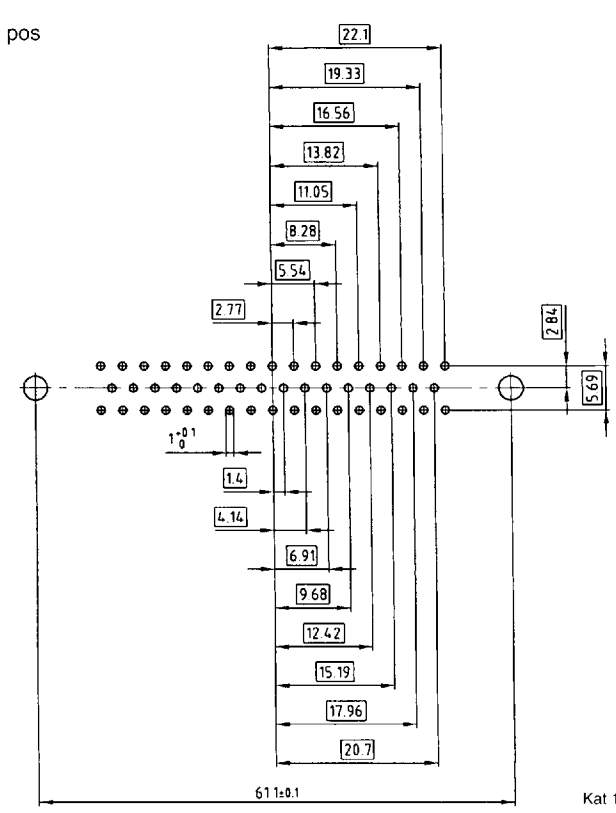
15 pos



25 pos



50 pos



Kat 1 i U3A

Kat 1 i U4A

Technical Data	D-Sub Standard	D-Sub High Density
Initial contact resistance	≤ 10 mΩ	≤ 10 mΩ
Initial insulation resistance	Quality class 1 ≥ 5GΩ Quality class 2 ≥ 5GΩ Quality class 3 ≥ 5GΩ	Quality class 1 ≥ 5GΩ Quality class 2 ≥ 5GΩ Quality class 3 ≥ 5GΩ
Clearance distance	contact–contact ≥ 1.0 mm contact–ground ≥ 1.2 mm	≥ 0.6 mm
Creepage distance	contact–contact ≥ 1.0 mm contact–ground ≥ 1.2 mm	≥ 0.6 mm
Test voltage V. r. m. s./NM	1000 V	1000 V
Working voltage/Insulation group* * nach SEV 50 V – acc. to SEV 50 V	125 V ≈	60 V ≈
Working current 20° C	5 A max.	25 A max.
Operating temperature	- 55° C – + 125° C	- 55° C – + 125° C
Moulding material	Polyester GF UL 94 V-O	PA 6.6 GF 25 UL 94 V-O
Contact material	Copper alloy	Copper alloy
Contact finish	hard-gold-plated over nickel	hard-gold-plated over nickel
Shell	Sheet steel, zinc lined and yellow chromate Sheet steel, nickel underneath and tin-plated	Sheet steel, nickel underneath and tin-plated
Insertion and withdrawal froces	9-polig/way 30 N 15-polig/way 50 N 25-polig/way 83 N 37-polig/way 123 N 50-polig/way 167 N	15-polig/way 50 N 26-polig/way 84 N 44-polig/way 120 N 62-polig/way 170 N 78-polig/way 200 N
Quality classes	Quality class 1 Quality class 2 Quality class 3	500 mating cycles 200 mating cycles 50 mating cycles

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[164A10729X](#) [164A10719X](#) [163A11819X](#)