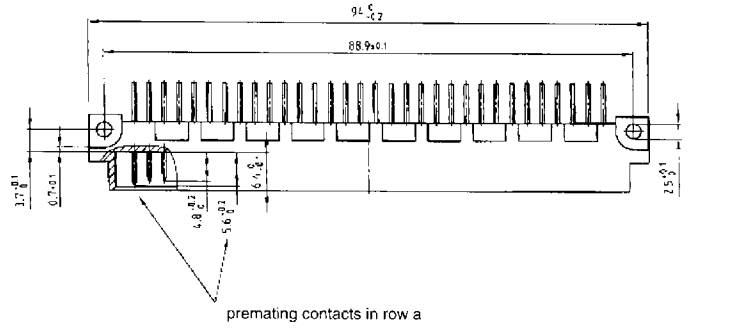
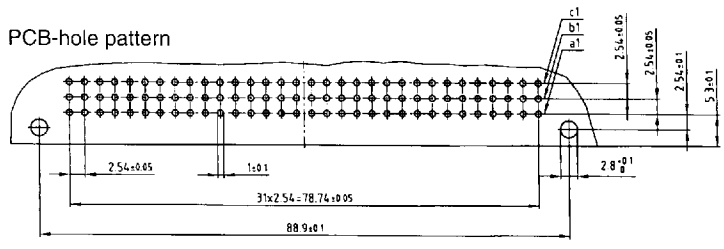
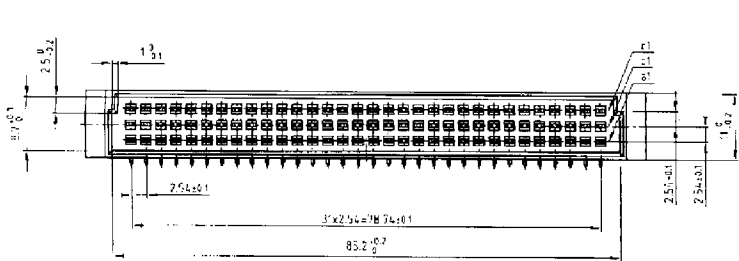
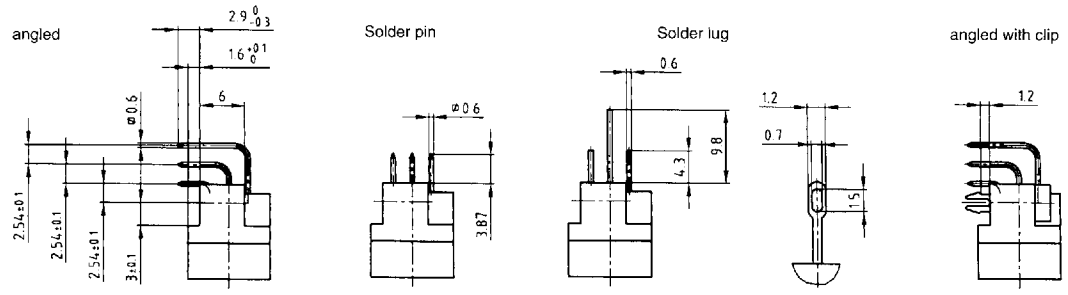


Male connector
– Contact spacing
2.54 and 5.08 mm –



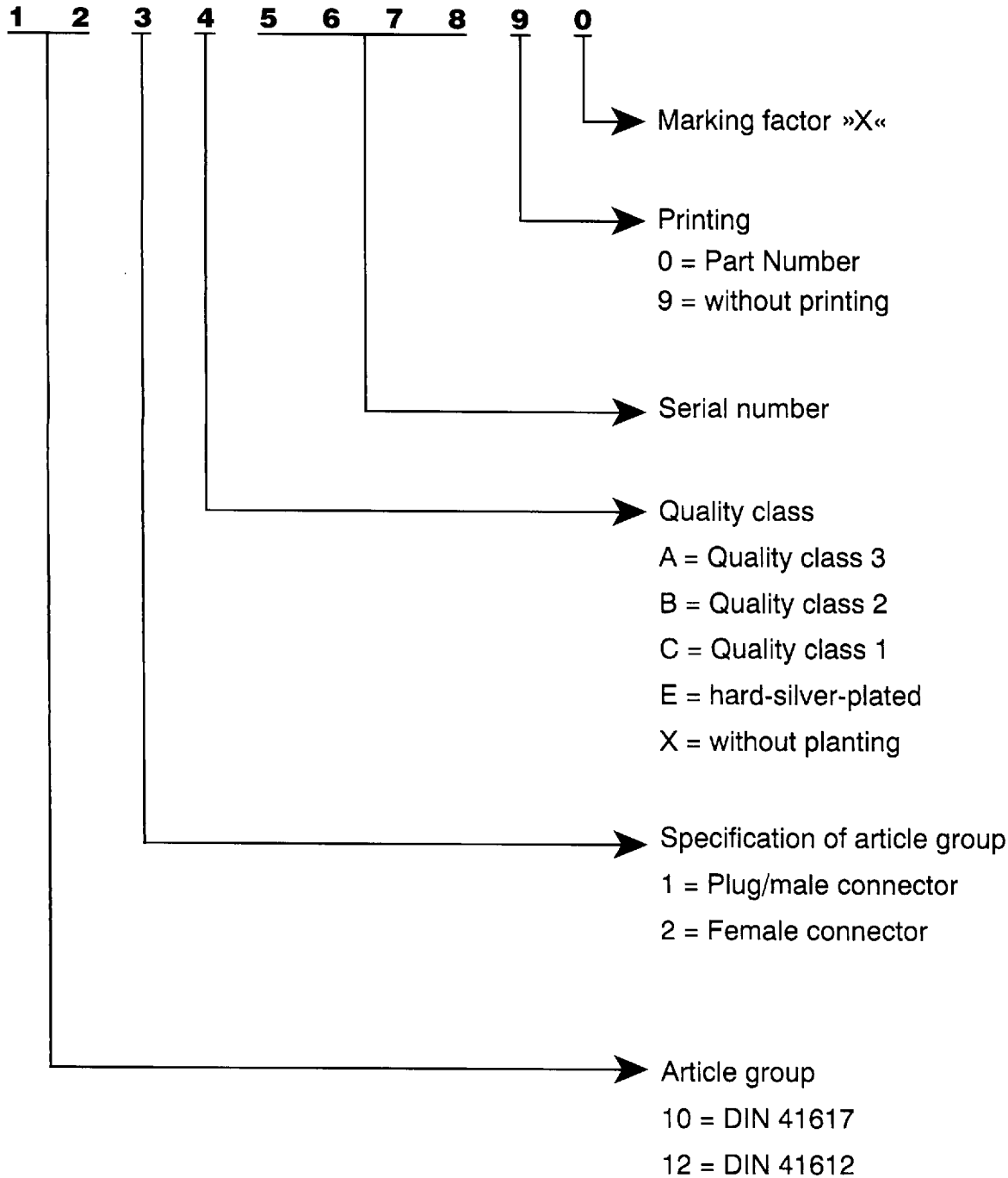
Kinds of contacts



Part numbers

No. of Pos.	Version	Male connector – Contact spacing 2.54 and 5.08 mm			
		angled	Solder pin	Solder lug	angled with clip
32		C 32 M 3 A a 121 A 10109 X	C 32 M 3 P a 121 A 10159 X	C 32 M 3 L a 121 A 10209 X	C 32 M 3 AC a 121 A 20879 X
32		C 32 M 3 A a + c 121 A 10119 X	C 32 M 3 P a + c 121 A 10169 X	C 32 M 3 L a + c 121 A 10219 X	C 32 M 3 AC a + c 121 A 20889 X
64		C 64 M 3 A a + b 121 A 10129 X	C 64 M 3 P a + b 121 A 10179 X	C 64 M 3 L a + b 121 A 10229 X	C 64 M 3 AC a + b 121 A 20899 X
64		C 64 M 3 A a + c 121 A 10139 X	C 64 M 3 P a + c 121 A 10189 X	C 64 M 3 L a + c 121 A 10239 X	C 64 M 3 AC a + c 121 A 20909 X
96		C 96 M 3 A a + b + c 121 A 10149 X	C 96 M 3 P a + b + c 121 A 10199 X	C 96 M 3 L a + b + c 121 A 10249 X	C 96 M 3 AC a + b + c 121 A 20919 X

Part Number



Order example

Male connector type C 64 pos. angled solder pin without printing	
Quality class	Part Number
3	C 64 M 3 A a + c 121 A 10139 X
2	C 64 M 2 A a + c 121 B 10139 X
1	C 64 M 1 A a + c 121 C 10139 X

■ 9017935 0000163 041 ■

Technical Data		DIN 41617	DIN 41617/ 41612	Type B	Type B/2	Type C	Type C/2	Type M
Initial contact resistance		≤ 15 mΩ	≤ 10 mΩ	≤ 20 mΩ	≤ 20 mΩ	≤ 20 mΩ	≤ 20 mΩ	≤ 20 mΩ
Initial insulation resistance		QUAL. CL 1 QUAL. CL 2 QUAL. CL 3	≥ 10 ¹² Ω ≥ 10 ¹¹ Ω ≥ 10 ¹⁰ Ω	≥ 10 ¹¹ Ω ≥ 10 ¹² Ω ≥ 10 ¹¹ Ω	≥ 10 ¹² Ω ≥ 10 ¹² Ω ≥ 10 ¹¹ Ω	≥ 10 ¹² Ω ≥ 10 ¹² Ω ≥ 10 ¹¹ Ω	≥ 10 ¹² Ω ≥ 10 ¹² Ω ≥ 10 ¹¹ Ω	≥ 10 ¹² Ω ≥ 10 ¹² Ω ≥ 10 ¹¹ Ω
Clearance distance		Contact/ground Contact/contact	≥ 1 mm ≥ 0,5 mm	≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm
Creepage distance		Contact/ground Contact/contact	≥ 1 mm ≥ 1,0 mm	≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm	≥ 1,2 mm ≥ 1,2 mm
Test voltage V r.m.s.		Contact/ground Contact/contact	900 V 1150 V	1000 V 1550 V	1000 V 1550 V	1000 V 1550 V	1000 V 1550 V	1000 V 1550 V
Working voltage*			250 V	250 V	250 V	250 V	250 V	250 V
Insulation group*			A	A	A	A	A	A
Working current **		+ 20° C + 70° C + 100° C	GT 1+2 = 4 A max. 4 A max. GT 3 = 2 A max.	2 A 1 A 0,5 A	2 A 1 A 0,5 A	2 A 1 A 0,5 A	2 A 1 A 0,5 A	2 A 1 A 0,5 A
Operating temperature		Quality cl. I Quality cl. II Quality cl. III	-65° ... + 125° C -55° ... + 125° C -25° ... + 85° C	-65° ... + 125° C	-55° C ... +125° C	-55° C ... +125° C	-55° C ... +125° C	-55° C ... +125° C
Moulding material		PC = Polycarbonat PBTP = Polyester PA = Polyamid	X 	X 	X X X	X X X	X X X	X X X
Contact material								
Coding system		with coding without coding	 X	 X	X 	X 	X 	X
Flammability		PC = Polycarbonat PBTP = Polyester PA = Polyamid			UL 94 V-1 UL 94 V-0 UL 94 H-B			
Insertion and withdrawal forces		F max. F max. F max.	13p. 32 N/AU • 30 N/AG 21p. 33 N/AU • 46 N/AG 31p. 48 N/AU • 70 N/AG		32p 30N 64p 60N	16p 15N 32p 30N	32p 30N 64p 60N 96p 90N	16p 15N 32p 30N 48p 45N
Life		Quality class 1 ≥ 500 cycles Quality class 2 ≥ 400 cycles Quality class 3 ≥ 50 cycles AG	X X X X	X 	X X X	X X X	X X X	X X X

* according to SEV 50 V

** Derating diagrams see page 189