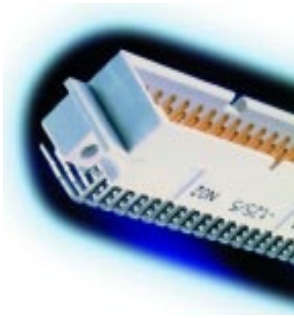


TWO-PART CONNECTORS FOR PRINTED BOARDS

TYPE RPV 301

Fig.2

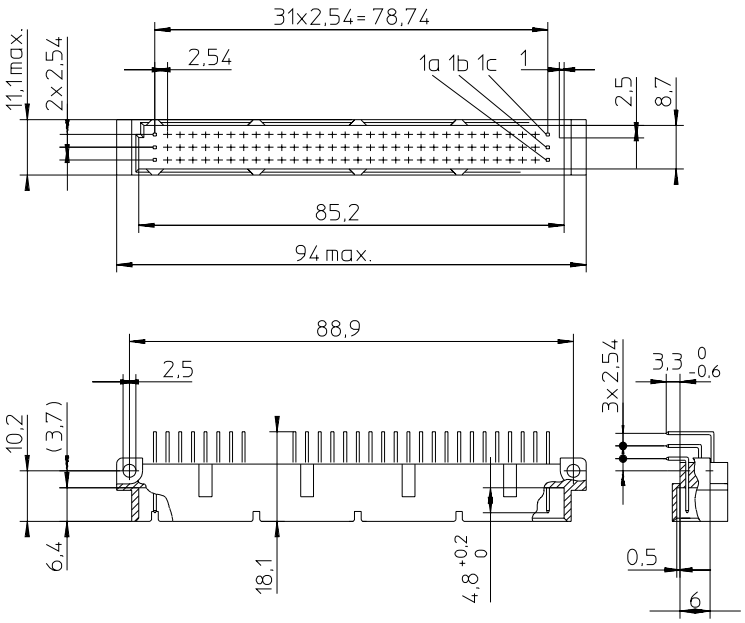
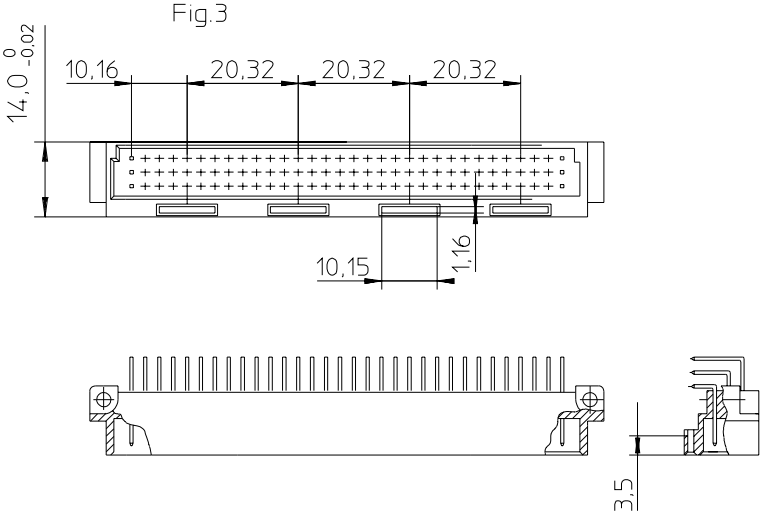


Fig.3



MATERIALS

Connector body	Glass fiber filled polyester
Male contact	Copper alloy
Contact plating	Nickel all over + hard gold MIL-G-45204 B Type II (99.0 % gold minimum) Grade C (Knoop hardness 130-200)

ELECTRIC DATA

Current rating	1.5 A at 20 °C 1 A at 80 °C 0.75 A at 100 °C	
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550 V (rms)	
Insulation resistance	≥ 10^6 MΩ	
Contact resistance	≤ 20 mΩ	
Minimum distance between	Creepage	Clearance
- adjacent contacts	1.2 mm	1.2 mm
- contact and chassis	1.8 mm	1.6 mm

PHYSICAL DATA

Temperature range	-55 °C...+125 °C
Flammability	UL 94 V-O
Insertion force	32 pole ≤ 30 N 64 pole ≤ 60 N 96 pole ≤ 90 N
Retention force	≥ 0.15 N/contact pair

Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603.

QUALITY DATA

Contact surfaces mechanically polished.

Separate frames, see C/1L or PC/1L.

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UL Approved

PERLOS

ARTICLE LIST

Code	Fig	Contact pin			Surface treatment	
		Qty	Row	Place	Contact tip	Connect-ing terminal
RPV 301 301	2	48	a, b, c	2, 4-32	3 µm Ni + 2 µm Au + Lubricated	Ni 3 µm min + Sn 6-10 µm
RPV 301 202	2	32	a, c	1, 3-31		
RPV 301 202/1	3					
RPV 301 302	2	48	a, b, c	1, 3-31		
RPV 301 302/1	3					
RPV 301 401	2	64	a, c	1, 2-32		
RPV 301 401/1	3					
RPV 301 501	2	96	a, b, c	1, 2-32		
RPV 301 501/1	3					

Other types on request:

RPV 301 201	2	32	a, c	2, 4-32
RPV 301 201/1	3			
RPV 301 301/1	3	48	a, b, c	2, 4-32

Colour of body: grey

Mechanical endurance min 200