

TWO-PART CONNECTORS FOR PRINTED BOARDS



Fig.7

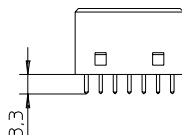


Fig.6

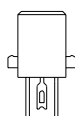
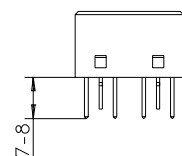


Fig.5

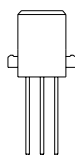
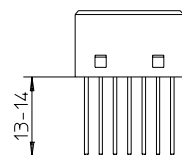


Fig.4

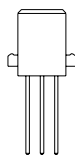
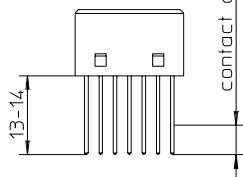


Fig.3

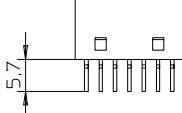
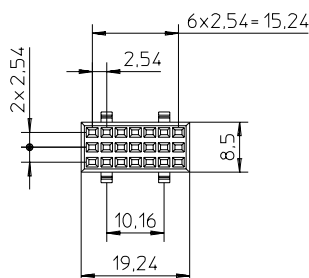
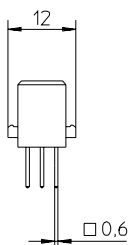
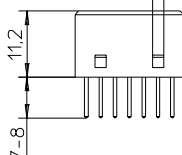


Fig.2



TYPE RNV 304

MATERIALS

Connector body	Glass fiber filled polyester
Female contact	Phosphor bronze
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-0
Insertion force	8 pole ≤ 8 N 10 pole ≤ 10 N 21 pole ≤ 20 N
Retention force	≥ 0.15 N/contact pair

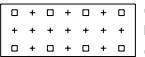
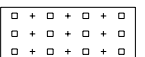
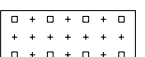
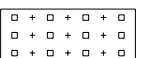
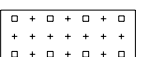
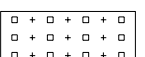
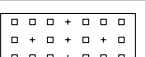
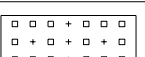
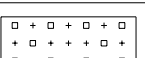
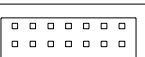
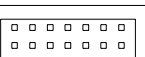
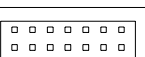
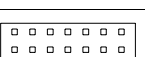
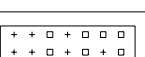
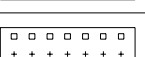
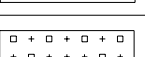
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603.

QUALITY DATA

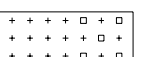
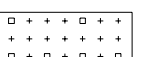
Contact surfaces mechanically polished.
Dual-beam female contact profiled to trapezoidal form.

Housings, see C/4H, C/4H-IK, C/4H-ML or C/4H-ML-IK

ARTICLE LIST

Code	Colour	Fig	Contact spring viewed from contact side		Surface treatment		Tip of connecting terminal 5 mm	
			Qty	• Mounted spring	Contact tip	Connecting terminal		
				7 6 5 4 3 2 1				
RNV 304 001	grey	2	8		2 µm Ni + 2 µm Au	Au 0.2 - 0.5 µm		
RNV 304 002			12					
RNV 304 005		3	8			Ni 2.0 µm + SnPb 6.0 µm		
RNV 304 006			12					
RNV 304 007	red	4	8			Au 0.2 - 0.5 µm	2 µm Ni + 2 µm Au Lubricated	
RNV 304 008			12					
RNV 304 009	grey	5	16			Ni 2.0 µm + SnPb 6.0 µm		
RNV 304 011		3	16					
RNV 304 012		6	10					
RNV 304 013		2	21					
RNV 304 014		7	21					
RNV 304 015	red	4	21				2 µm Ni + 2 µm Au Lubricated	
RNV 304 016	grey	3	21			Ni 2.0 µm + SnPb 6.0 µm		
RNV 304 017		5	6			Au 0.2 - 0.5 µm		
RNV 304 020		2	11					
RNV 304 021	red	4	14				2 µm Ni + 2 µm Au Lubricated	
RNV 304 023				10				

Other types on request:

RNV 304 010	grey	6	5	
RNV 304 022	red	4	6	
RNV 304 024			5	