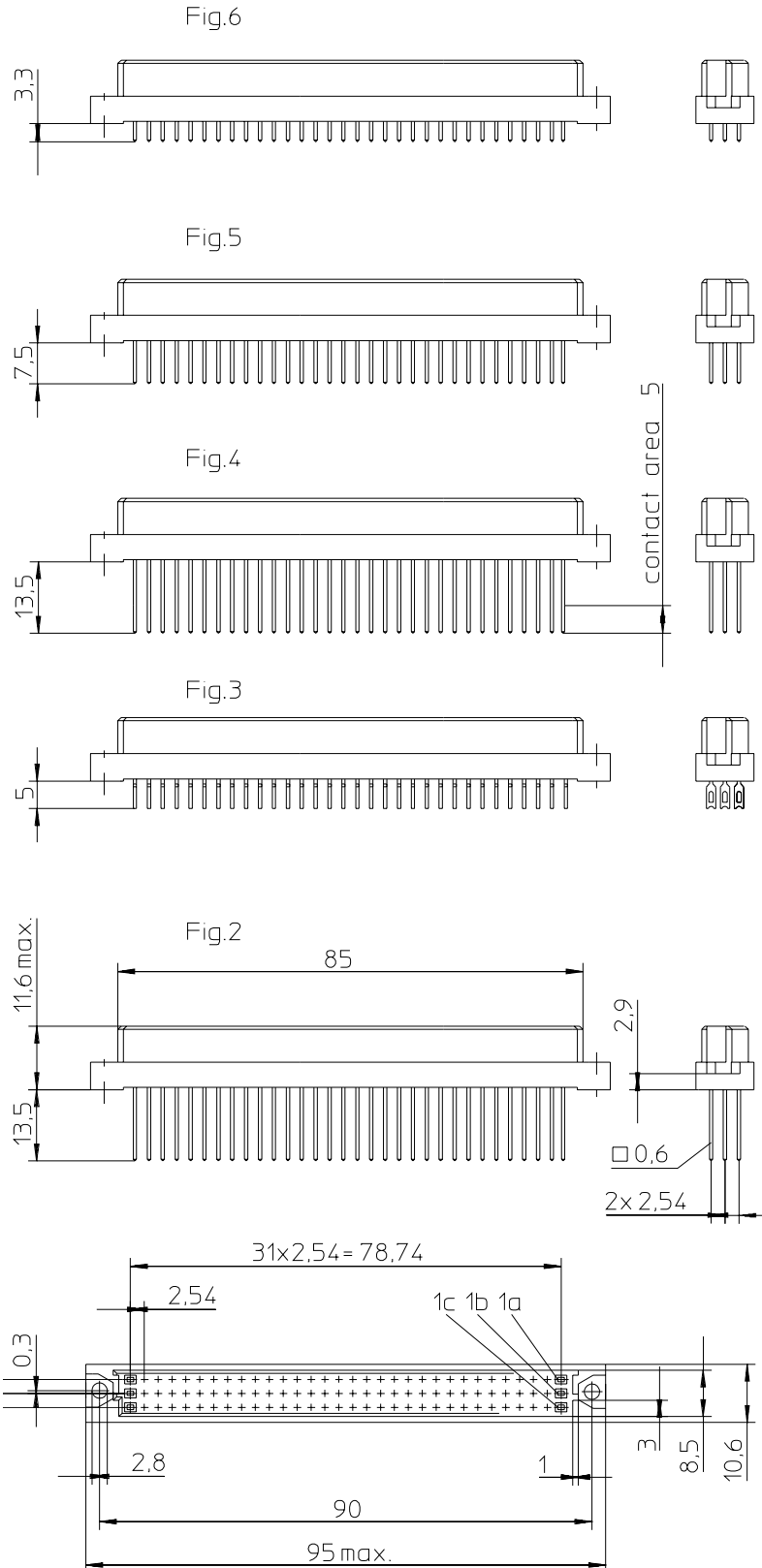
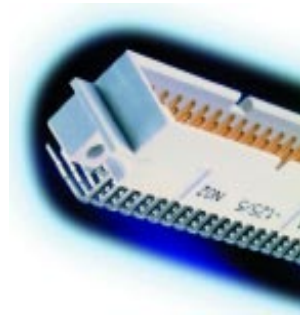


TWO-PART CONNECTORS FOR PRINTED BOARDS



TYPE RNW 301

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 $\geq 10^6$ M Ω
 Contact resistance ≤ 20 m Ω
 Minimum distance between
 - adjacent contacts Creepage 1.2 mm Clearance 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 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.
 Dual-beam female contact profiled to trapezoidal form.

ARTICLE LIST

Code	Colour	Fig	Contact spring			Surface treatment		
			Qty	Row	Place	Contact	Connect- ing terminal	Tip Connect- ing terminal
RNV 301 201	grey	2	32	a, c	2, 4-32	2 μ m Ni + 2 μ m Au	Au 0.2 - 0.5 μ m	
RNV 301 202			32	a, c	1, 3-31			
RNV 301 301			48	a, b, c	2, 4-32			
RNV 301 302			48	a, b, c	1, 3-31			
RNV 301 401			64	a, c	1, 2-32			
RNV 301 501			96	a, b, c	1, 2-32			
RNV 301 202/2			5	32	a, c			
RNV 301 302/2		48		a, b, c	1, 3-31			
RNV 301 401/2		64		a, c	1, 2-32			
RNV 301 501/2		96		a, b, c	1, 2-32			
RNV 301 205		3	32	a, c	1, 3-31		2 μ m Ni + 6 μ m SnPb	
RNV 301 306			48	a, b, c	1, 3-31			
RNV 301 402			64	a, c	1, 2-32			
RNV 301 502			96	a, b, c	1, 2-32			
RNV 301 204	red	4	32	a, c	1, 3-31	Au 0.2 - 0.5 μ m	min 2 μ m Ni + min 2 μ m Au	
RNV 301 305			48	a, b, c	1, 3-31			
RNV 301 403			64	a, c	1, 2-32			
RNV 301 503			96	a, b, c	1, 2-32			

Other types on request:

RNV 301 020	grey	2	32	a, c	1, 2-31
RNV 301 021			8	b	2, 6-30
RNV 301 202/3		6	32	a, c	1, 3-31
RNV 301 302/3			48	a, b, c	1, 3-31
RNV 301 501/3			96	a, b, c	1, 2-32
RNV 301 201/3			32	a, c	2, 4-32
RNV 301 501/4		64	a, c	1, 2-32	
		8	b	2, 6-30	
RNV 301 206		3	32	a, c	2, 4-32

Mechanical endurance min 200