

Pin connectors

For front edge of PC boards

Technical data

See euroconnectors, page 2

Article code	Number of terminals	Row	Tag numbering
RPV 304 001	8	a, c	1, 3, 5, 7
RPV 304 002	12	a, b, c	1, 3, 5, 7
RPV 304 007	21	a, b, c	1,2-7

Data acc. to Fig. 13 and 14.

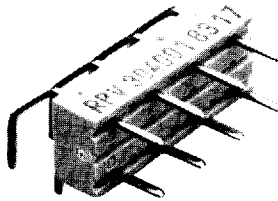


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Fig. 12. Pin connector RPV 304 001

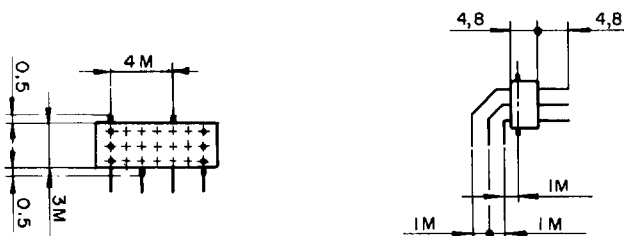


Fig. 13 Dimensional drawing for pin connector RPV 304.
1 M = 0.1" = 2.54 mm

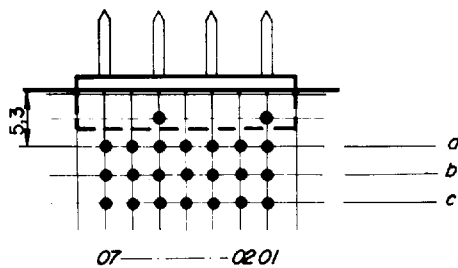


Fig. 14 Drilling drawing for pin connector RPV 304.
Printed board seen from the soldering side.
Hole diameter 1 mm.
Pitch = 1 M = 0.1" = 2.54 mm.

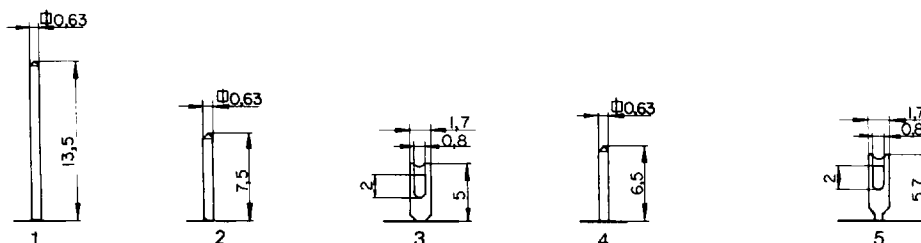


Fig. 15 Terminal types

Fork connectors

For signal cables and bus plugs

Technical data

See euroconnector, page 2

Fork connectors for signal cables

Article code	Number of terminals	Row	Tag numbering	Terminal type
RNV 304 001	8	a, c	1,3,5,7	4
RNV 304 002	12	a, b, c	1,3,5,7	4
RNV 304 013	21	a, b, c	1,2-7	4
RNV 304 005	8	a, c	1, 3, 5, 7	5
RNV 304 006	12	a, b, c	1, 3, 5, 7	5
RNV 304 016	21	a, b, c	1,2-7	5

Data acc. to Fig. 15 and 16

Fork connectors for bus plugs

The wire-wrap terminals have extra rugged gold plating with 2 µm Au on 3 µm Ni to achieve a life of 200 operations.

Article code	Number of terminals	Row	Tag numbering	Terminal type
RNV 304 007	8	a, c	1, 3, 5, 7	1
RNV 304 008	12	a, b, c	1, 3, 5, 7	1
RNV 304 015	21	a, b, c	1,2-7	1

Data acc. to Fig. 15 and 16

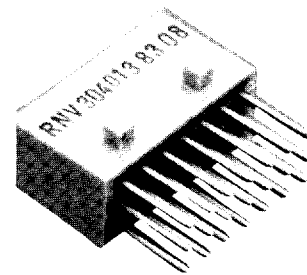


Fig. 16 Fork connector RNV 304 013

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Euroconnectors

Standard and inverted

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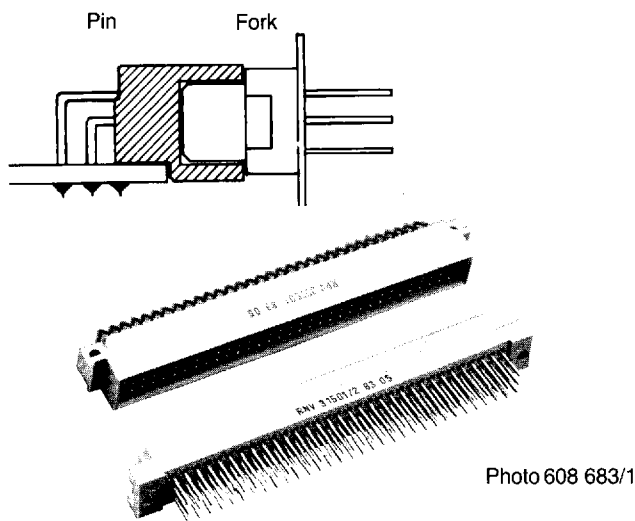


Fig. 1 European connectors standard type.

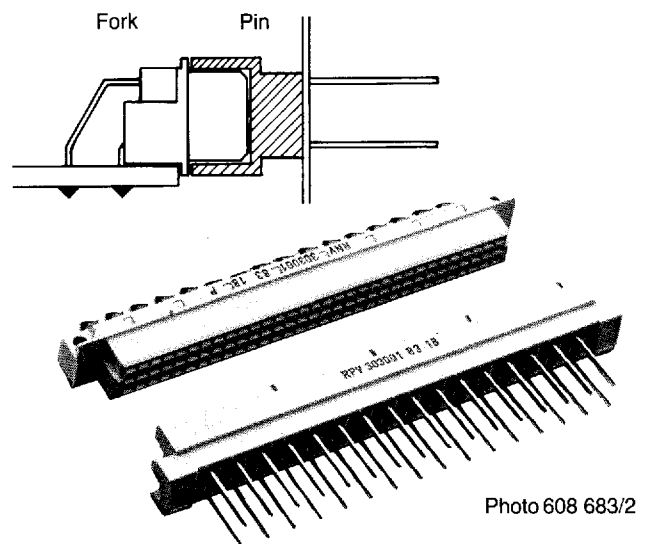


Fig. 2 European connectors inverted type.

Technical data

The following data applies to all European connectors listed in the catalogue leaflet, i.e. all 8-point–96-point pin and fork connectors (pages 2-5).

General

Material, body:	
RNV 301, 303, 304/ RPV 301, 304	Light grey polyester plastic
RPV 303	Light grey polycarbonate
Pitch:	0.1"=2.54 mm
Packing: RNV/RPV 304	50 units/pack.
other types	16 units/pack.

Limit values

Voltage:	Max. 250 V AC
Current, $\vartheta_{amb} = 70^{\circ}\text{C}$:	1 A
Breaking power $\vartheta_{amb} = 50^{\circ}\text{C}$:	50 VA
Test voltage:	Min. 1 kV DC
Insulation resistance:	$\geq 1 \text{ G}\Omega$
Capacitance between contact elements $f = 1 \text{ kHz}$:	$\leq 1 \text{ pF}$

Characteristic values

Contact materials: Springs	3 μm Au on 3 μm Ni
Contact pins	2 μm Au on 3 μm Ni
Wire wrap pins	0.2 μm Au on 3 μm Ni
Contact resistance:	$\leq 20 \text{ m}\Omega$
Mechanical life:	>200 operations
Insertion force:	1.0 N/point

Environmental resistance

Climatic category:	40/085/56
Storage temperature range:	-55°C to $+100^{\circ}\text{C}$
Ambient temperature in operation:	-40°C to $+85^{\circ}\text{C}$
Washability:	Fully washable in polyester model

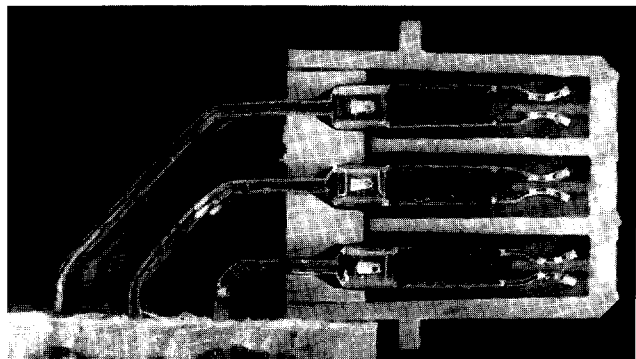


Fig. 3 Split fork connector type RNV 303, enlarged 4 times.

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