

Valukumpu Oy

Type R, Reversed, IEC603, DIN 41612

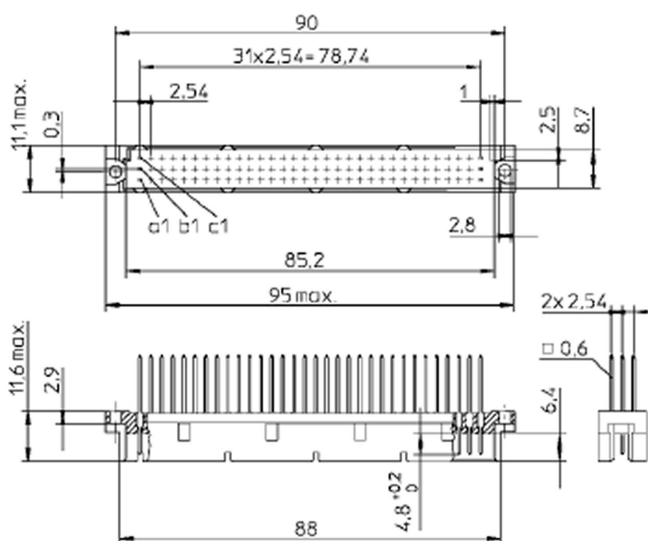
Two Part Connectors for PCB

General Description

The DIN 41612 R type body offers a choice of nine contact arrangements over 3 rows. It has an overall width of 90mm and is only available in a reversed male connector.

This is a PCB mounted connector and is available in a right angle mounted version for boards up to 1.6mm thick; Two straight solder tail options for boards up to 1.6mm or 2.4mm in thickness, with the 2.4mm thickness also being suitable for press-fit between 1.5mm and 4.0mm in thickness. Three lengths of wire wrap tail style are also available.

Each DIN 41612 connector is offered with a number of different contact and termination finishes.



Male Connector

Electrical Specification

Current Rating:	1.5A at 20°C
Normal Pins:	1A at 80°C
	0.75A at 100°C
Proof Voltage:	Contact/contact 1000Vrms
	Contact/Test Panel 1550Vrms
Contact Resistance:	≤20 mΩ
Insulation Resistance:	≥10 ⁶ MΩ
Connector Type:	Male

Materials

Connector Body:	Glass fibre filled polyester
Female Contact:	Phosphor Bronze
Male Contact:	Copper Alloy
Contact Plating:	Ni / Au
	Ni / PdNi / Au

Environmental

Temp Range:	-55 to +125°C
Flammability:	UL 94 V-O
Insertion Force:	32 pole ≤30N
	64 pole ≤60N
	96 pole ≤90N
Retention Force:	≥0.15 N / Contact pair
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC603	
Quality	Contact surfaces mechanically polished
	Dual-beam female contact profiled to trapezoidal form.



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VK or P	—	R	064	M	S	—	C1	E	—	0,8	/	5	—001	-NP
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




R	CONNECTOR TYPE	
	Three row body 1A Reversed	R

064	CONTACT ARRANGEMENT AND NUMBER OF POSITIONS	
	016	
	032	
	048	
	064	
	096	
	A32	
	B32	
	X32	
	B64	
Special types	Z	

M	TYPE OF CONTACT	
	Male	M

S	TYPE OF TERMINATION	
	Solder	S
	Wrap	W
	Press-in	P

C1	Complete connector with contact finish of gold	
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A	TERMINATION STYLE			
		F	MP	M
Right angle solder tail for 1.6 mm thick boards	A			
Straight solder tail for 1.6 mm thick boards	D			
Straight solder tail for 2.4 mm thick boards (Press-in from 1.5 to 4.0 mm)	E			
Wire wrap tail	F			
Wire wrap tail	H			
Wire wrap tail	L			

0,8	CONTACT FINISH	
0,8	0.8 µm hard gold over 2 µm nickel	
1,25	1.25 µm hard gold over 2 µm nickel	
2,5	2.5 µm hard gold over 3 µm nickel	
...	other platings on request	

5	TERMINATION FINISH	
1	1 µm tinlead over nickel on press-in area	
5	5 µm tin over nickel	
1,25	1.25 µm gold over nickel on contact area (5mm from the end)	
0,1	0.1 µm gold over nickel	
...	other platings on request	

-001	MARKING FOR SPECIAL TYPES	
Eg	First Make – Last Break Option: Male pins in any row may be extended 0.50 mm for ground before signal in types D and E.	

-NP	ALTERNATIVE CONTACT FINISH	
	Gold flash over nickel palladium over nickel	

