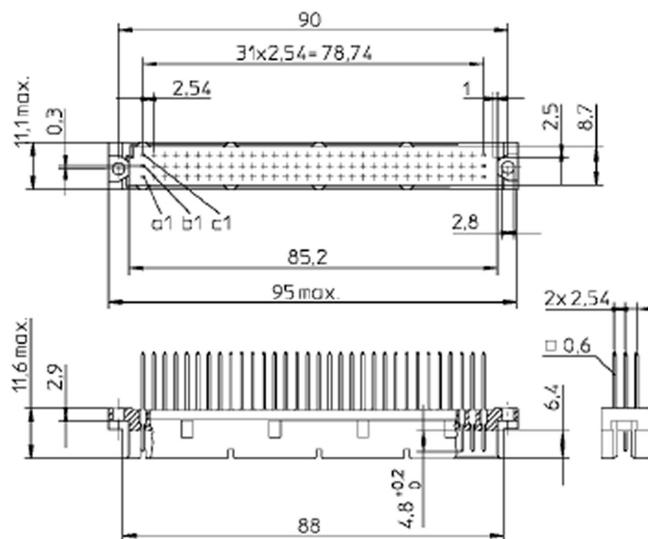


Valukumpu Oy
 Type R, Reversed, IEC603, DIN 41612
 Two Part Connectors for PCB



Male Connector

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.

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:	$\leq 20 \text{ m}\Omega$
Insulation Resistance:	$\geq 10^6 \text{ M}\Omega$
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 $\leq 30\text{N}$ 64 pole $\leq 60\text{N}$ 96 pole $\leq 90\text{N}$
Retention Force:	$\geq 0.15 \text{ N} / \text{Contact pair}$
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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Valukumpu Oy

Type R, Reversed, IEC603, DIN 41612

Two Part Connectors for PCB

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

R

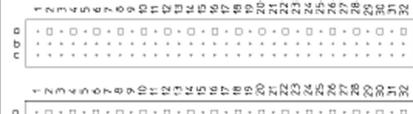
CONNECTOR TYPE

Three row body 1A Reversed

R

064

CONTACT ARRANGEMENT
AND NUMBER OF POSITIONS



016



032



048



064



096



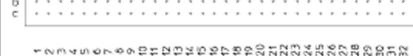
A32



B32



X32



B64



Z

M

TYPE OF CONTACT

Male

M

S

TYPE OF TERMINATION

Solder
Wrap
Press-in

S
W
P

C1

Complete connector with contact finish
of gold

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.
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-NP

ALTERNATIVE CONTACT FINISH

Gold flash over nickel palladium over nickel



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