

Valukumpu Oy

Type B, IEC603, DIN 41612

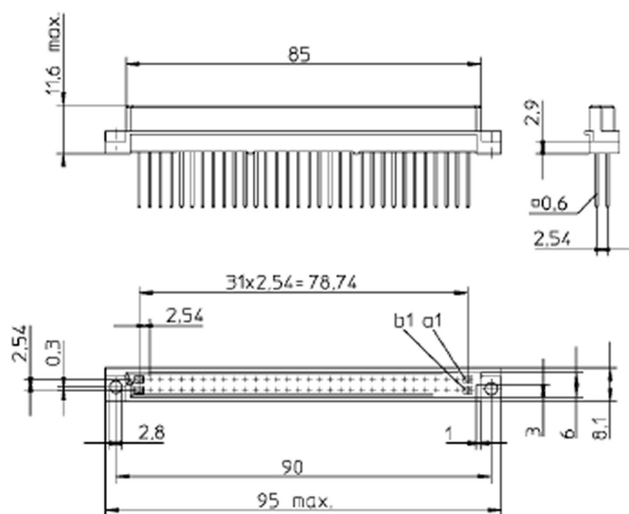
Two Part Connectors for PCB

General Description

The DIN 41612 B type body offers a choice of six contact arrangements over 2 rows. It has an overall width of 95mm. It is available in only female connection type.

This is a PCB mounted connector and is available in two lengths of straight solder tails for boards which are 1.6mm or 2.4mm in thickness. A press in style is available for boards from 1.5mm to 4.0mm and two length tails for wire wrap mounting.

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



Female Connector

Electrical Specification

Current Rating:	1.5A at 20°C 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:	Female

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
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 — B 064 F S — C1 E — 0,8 / 5 —001 —NP

B	CONNECTOR TYPE
	Two row body 1A
	B

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

F	TYPE OF CONTACT
	Female
	F

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

C1	
	Complete connector with contact finish of gold

A	TERMINATION STYLE
	F
	FP
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

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 tin 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 applications, please contact manufacturer.

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



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