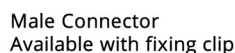


Two Part Connectors for PCB



General Description

The DIN 41612 C/2 type body offers an array of contact arrangements over 3 rows but is half the length of the standard C body at a maximum width of 55mm. It is available in both male and female connection types.

This is a PCB mounted connector and is offered with right angle and straight solder tails for 1.6mm PCB thicknesses. For PCB boards of 2.4mm thick or if press-in termination is required for 1.5 to 4.0mm depth, then a longer straight solder tail specification is available. Wire wrap tail and hand solder eyelets 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
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 / 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: $\geq 0.15 \text{ N}$ / 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.

Frames, see C/1L or PC/1L



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Valukumpu Oy
Type C/2, IEC603, DIN 41612
Two Part Connectors for PCB

VK

-

C/2

032

M

S

-

C1

A

-

0,8

/

5

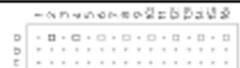








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001

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NP

C/2	CONNECTOR TYPE
	Two row body 1A Half length
	C/2

032	CONTACT ARRANGEMENT AND NUMBER OF POSITIONS
	008
	016
	024
	032
	048
	A16
	B16
	X16
	B32
Special types	Z

M	TYPE OF CONTACT
	Female
	Male
	F
	M

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

C1
Complete connector with contact finish of gold

A	TERMINATION STYLE			
	F	FP	M	MP
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			
Hand solder eyelet	O			

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.
E	Female body without mounting flanges See separate leaflet.

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



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