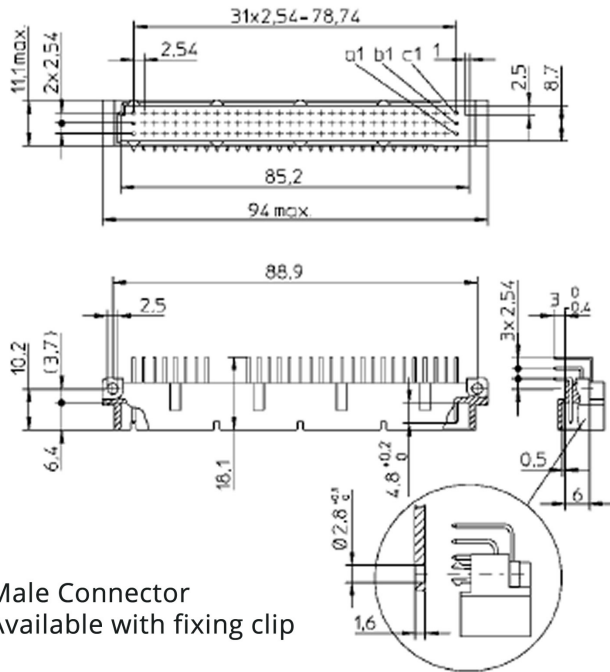


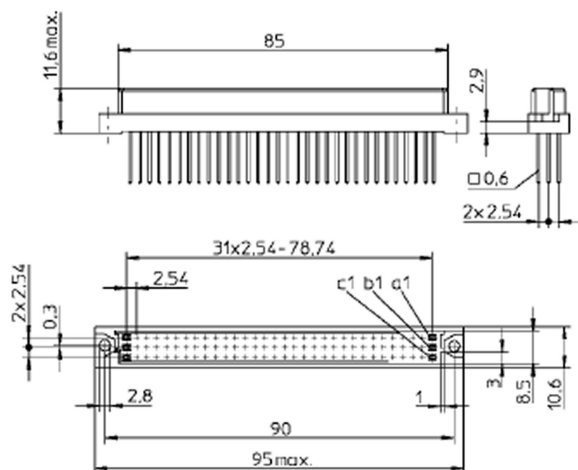
Valukumpu Oy

Type C, IEC603, DIN 41612

Two Part Connectors for PCB



Male Connector
Available with fixing clip



Female Connector

General Description

The DIN 41612 C type body offers an array of contact arrangements over 3 rows. The standard C body has an overall size of 95mm and can be 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
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 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.
Frames, see C/1L or PC/1L

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

VK	-	C	064	M	S	-	C1	A	-	0,8	/	5	-	-001	-	-NP
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C	CONNECTOR TYPE	
Three row body 1A		C

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

M	TYPE OF CONTACT	
Female		F
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	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.	

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



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