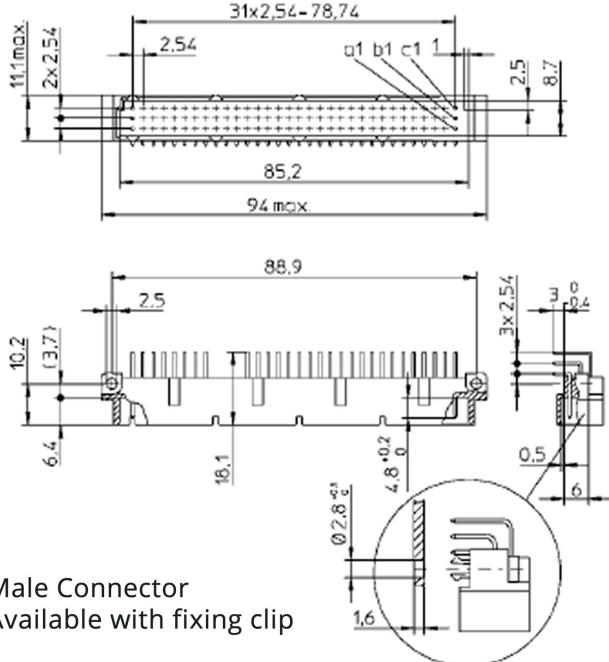
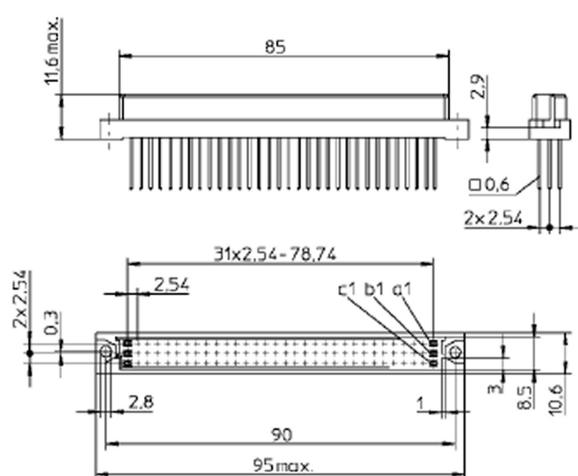


Valukumpu Oy
Type C, IEC603, DIN 41612
Two Part Connectors for PCB



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:	$\leq 20 \text{ m}\Omega$
Insulation Resistance:	$\geq 10^6 \text{ M}\Omega$
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

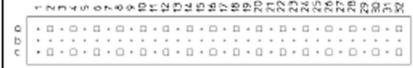
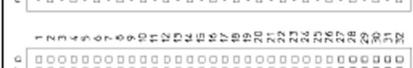
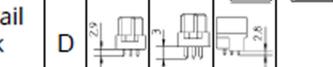
Temp Range:	-55 to +125°C
Flammability:	UL 94 V-O
Insertion Force:	32 pole $\leq 30\text{N}$ 64 pole $\leq 60\text{N}$ 96 pole $\leq 90\text{N}$
Retention Force:	$\geq 0.15 \text{ N} / \text{Contact pair}$
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC603	
Quality	
Contact surfaces mechanically polished	
Dual-beam female contact profiled to trapezoidal form.	
Frames, see C/1L or PC/1L	



CAMBRIDGE
ELECTRONIC INDUSTRIES

Tel: +44 (0)1223 860041
Tel: +44 (0)1223 863377
Email: sales@cambridgeelectronics.com

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

VK - C 064 M S - C1 A - 0,8 / 5 -001 -NP									
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								
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								
	Straight solder tail for 2.4 mm thick boards (Press-in from 1.5 to 4.0 mm)								
	Wire wrap tail								
	Wire wrap tail								
	Hand solder eyelet								
									
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								



CAMBRIDGE
 ELECTRONIC INDUSTRIES

Tel: +44 (0)1223 860041
 Tel: +44 (0)1223 863377
 Email: sales@cambridgeelectronics.com