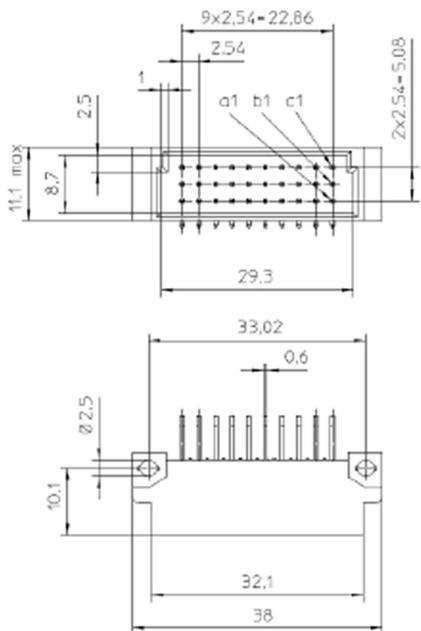


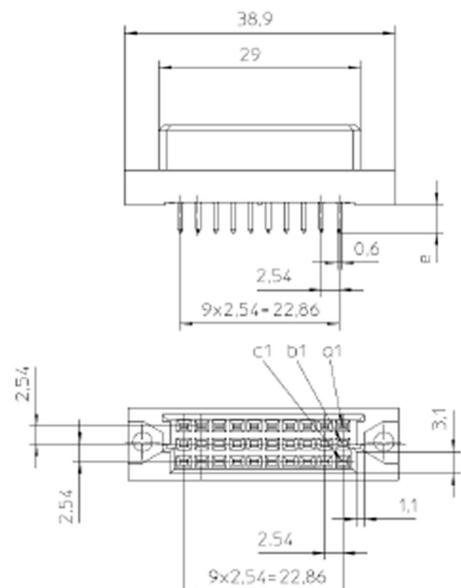
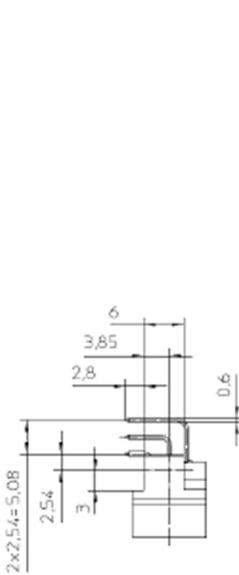
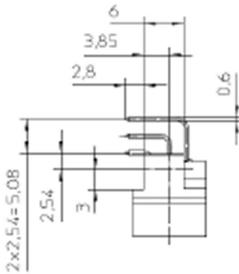
Valukumpu Oy

Type C/3, IEC603, DIN 41612

Two Part Connectors for PCB



Male Connector



Female Connector

General Description

The DIN 41612 C/3 type body offers a choice of two contact arrangements over 3 rows. It is complimentary to the standard C body connector range and has an overall width of 38mm. 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:	$\leq 20 \text{ m}\Omega$
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:	21 pole $\leq 20\text{N}$
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.	



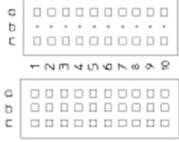
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Valukumpu Oy
 Type C/3, IEC603, DIN 41612
 Two Part Connectors for PCB

VK	-	C/3	020	M	S	-	C1	A	-	0,8	/	5	-	001	-	NP
C/3 CONNECTOR TYPE																
Three row body 1A										C/3						
020 CONTACT ARRANGEMENT AND NUMBER OF POSITIONS										020						
																
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										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 PLATING																
										Gold flash over nickel palladium over nickel						



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