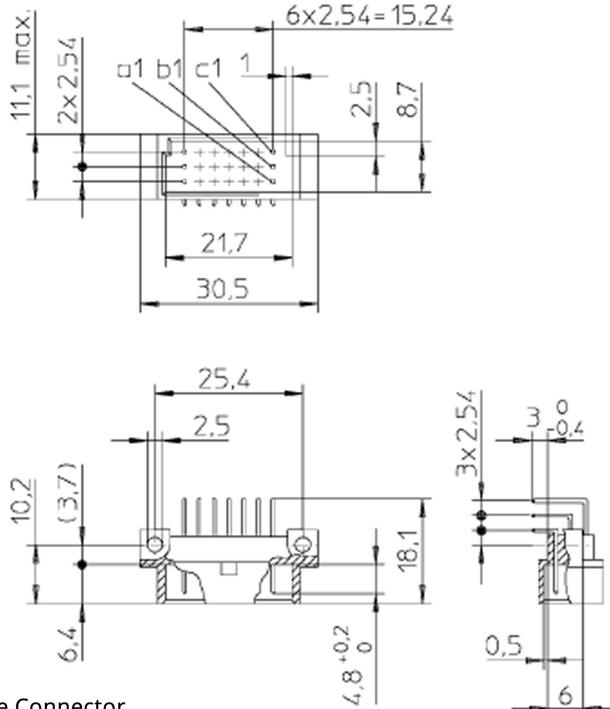
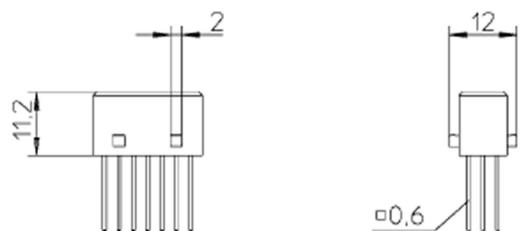


Valukumpu Oy
 Type C/4, IEC603, DIN 41612
 Two Part Connectors for PCB



Male Connector



Female Connector

General Description

The DIN 41612 C/4 type body offers a choice of eight contact arrangements over 3 rows. It is complimentary to the standard C body connector range and is classed as a quarter length C body. 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.
 Half length of female C/4 is also available (3x3pos.)



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Valukumpu Oy
Type C/4, IEC603, DIN 41612
Two Part Connectors for PCB

VK — C/4 014 M S — C1 A — 0,8 / 5 —001 —NP

C/4

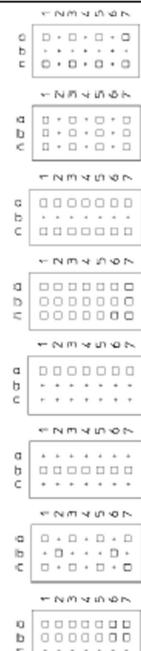
CONNECTOR TYPE

Three row body 1A
Quarter length C

C/4

014

CONTACT ARRANGEMENT
AND NUMBER OF POSITIONS



008

012

014

021

A07

B07

X10

B14

Z

Special types

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	3,3		
Straight solder tail for 2.4 mm thick boards (Press-in from 1.5 to 4.0 mm)	E	4,2	3,3	3,7
Wire wrap tail	F			
Wire wrap tail	H	13	13	13,5
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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