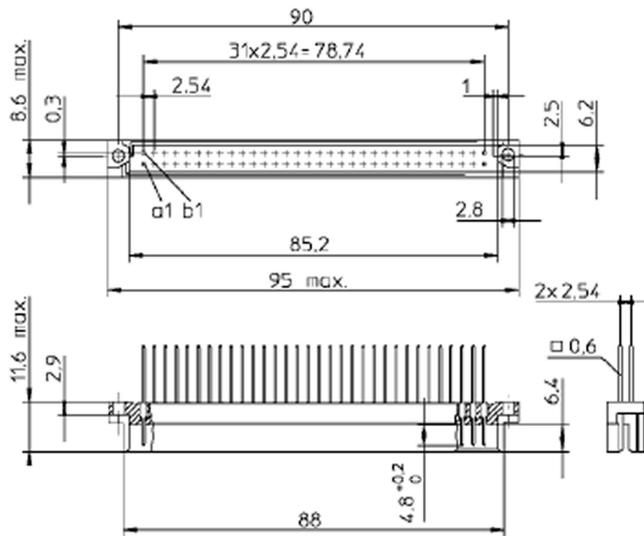
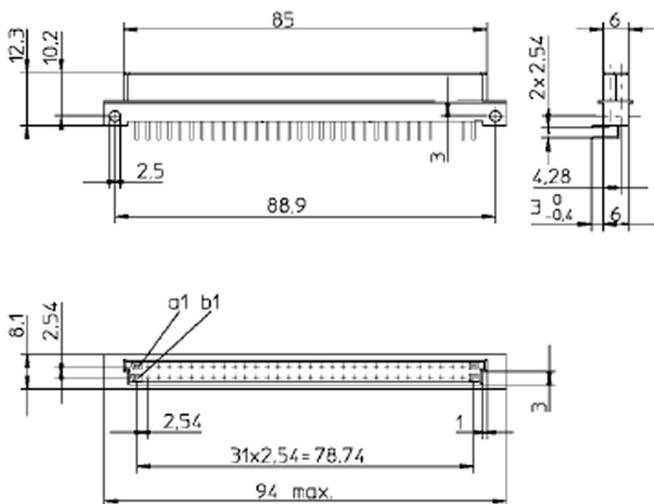


Valukumpu Oy
Type Q, IEC603, DIN 41612
Two Part Connectors for PCB



Male Connector



Female Connector

General Description

The DIN 41612 Q type body offers a choice of six contact arrangements over 2 rows. It has an overall width of 95mm and is available in both male and female connection types.

This is a PCB mounted connector and is available in a right angle mounted version for boards up to 1.6mm thick; Two straight solder tail options for boards up to 1.6mm or 2.4mm in thickness and also two lengths of wire wrap tail.

Each DIN 41612 connector is offered with a number of different contact and termination finishes.

Electrical Specification

Current Rating:	1.5A at 20°C
Normal Pins:	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:	32 pole $\leq 30\text{N}$ 64 pole $\leq 60\text{N}$
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 Q, IEC603, DIN 41612
Two Part Connectors for PCB

VK - Q 064 M S - C1 A - 0,8 / 5 -001 -NP

Q

CONNECTOR TYPE

Two row body 1A

Q

064

CONTACT ARRANGEMENT AND NUMBER OF POSITIONS



Special types

M

TYPE OF CONTACT

Female
Male

F
M

S

TYPE OF TERMINATION

Solder
Wrap

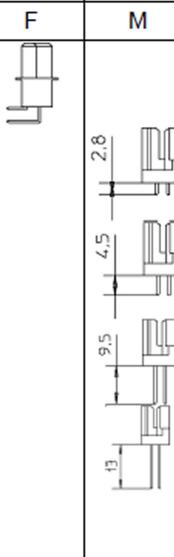
S
W

C1

Complete connector with contact finish of gold

A

TERMINATION STYLE



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 in types D and E.

-NP

ALTERNATIVE CONTACT FINISH

Gold flash over nickel palladium over nickel



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