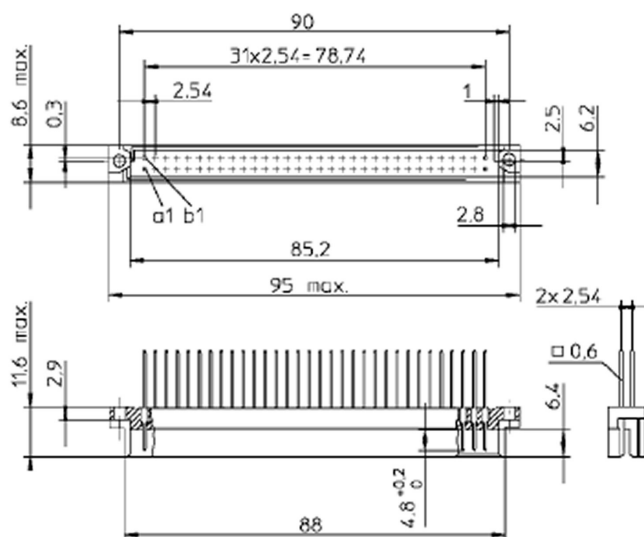
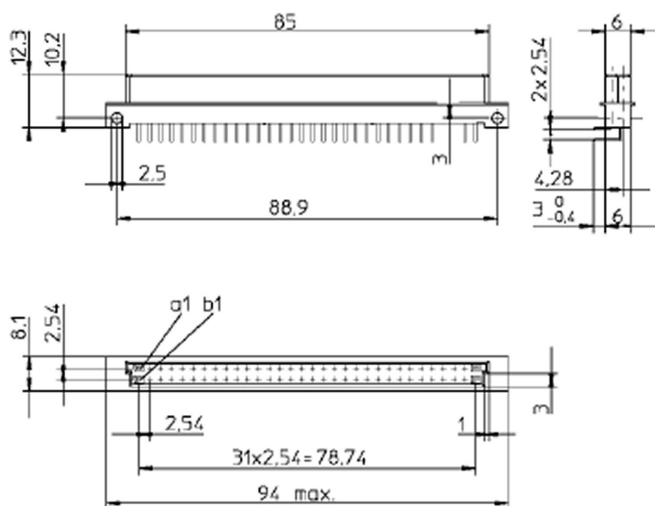


Two Part Connectors for PCB



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:	≤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
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.	

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

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

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

M	TYPE OF CONTACT	
	Female Male	F M

S	TYPE OF TERMINATION	
	Solder Wrap	S W

C1	Complete connector with contact finish of gold	
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A	TERMINATION STYLE	
		F M
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	E	
Wire wrap tail	F	
Wire wrap tail	H	

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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