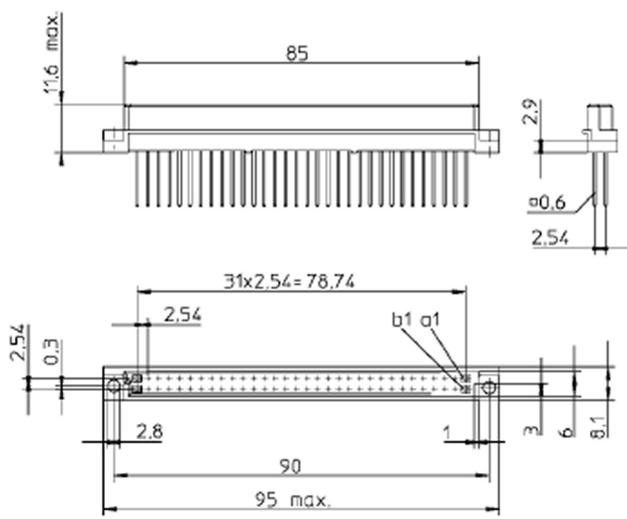


Valukumpu Oy  
Type B, IEC603, DIN 41612  
Two Part Connectors for PCB



Female Connector

#### General Description

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

This is a PCB mounted connector and is available in two lengths of straight solder tails for boards which are 1.6mm or 2.4mm in thickness. A press in style is available for boards from 1.5mm to 4.0mm and two length tails for wire wrap mounting.

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:	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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**VK** — **B** **064** **F** **S** — **C1** **E** — **0,8** / **5** **-001** **-NP**

**B**

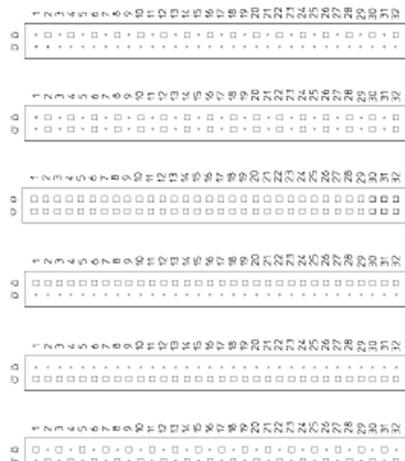
CONNECTOR TYPE

Two row body 1A

B

**064**

CONTACT ARRANGEMENT  
AND NUMBER OF POSITIONS



Special types

016

032

064

A32

B32

X32

Z

**F**

TYPE OF CONTACT

Female

F

**S**

TYPE OF TERMINATION

Solder  
Wrap  
Press-in

S  
W  
P

**C1**

Complete connector with contact finish  
of gold

**A**

TERMINATION STYLE

	F	FP
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	

**0,8**

CONTACT FINISH

0,8 1,25 2,5 ...	0.8 µm hard gold over 2 µm nickel 1.25 µm hard gold over 2 µm nickel 2.5 µm hard gold over 3 µm nickel other platings on request
---------------------------	---

**5**

TERMINATION FINISH

1 5 1,25 0,1 ...	1 µm tin over nickel on press-in area 5 µm tin over nickel 1.25 µm gold over nickel on contact area (5mm from the end) 0.1 µm gold over nickel other platings on request
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**-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



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