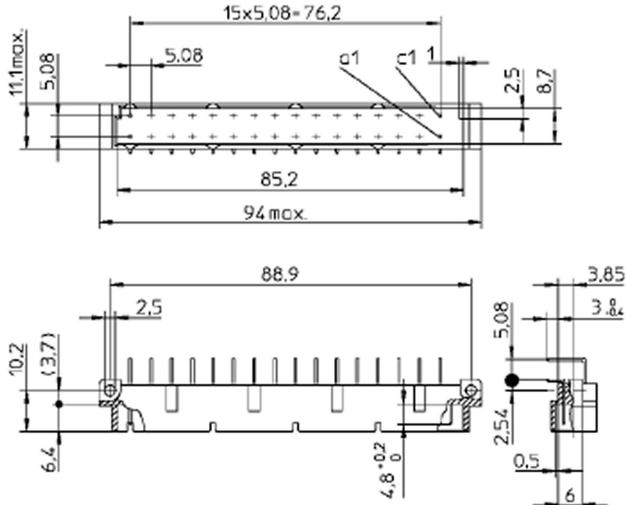
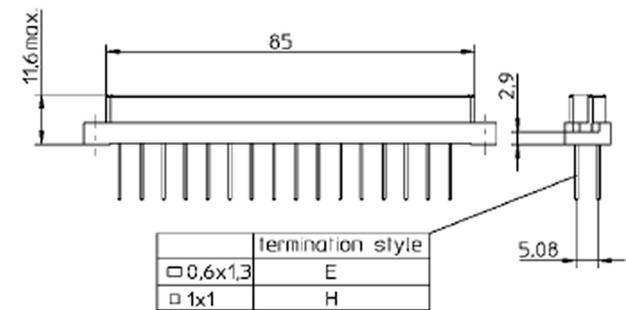


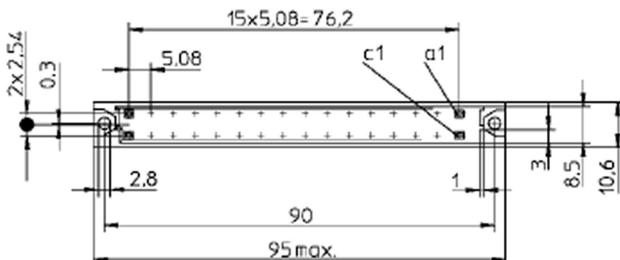
Valukumpu Oy  
Type D, IEC603, DIN 41612  
Two Part Connectors for PCB



Male Connector



Male Connector



Female Connector

### General Description

The DIN 41612 D type body offers a choice of five contact arrangements over 2 rows. It has an overall width of 94mm. It 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; a straight solder tail for boards up to 2.4mm thick and a wire wrap tail.

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

### Electrical Specification

Current Rating:	5.5A at 20°C 4A at 80°C 2.5A at 100°C
Proof Voltage:	Contact/contact 1550Vrms Contact/Test Panel 1550Vrms
Contact Resistance:	$\leq 15 \text{ m}\Omega$
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 $\leq 30\text{N}$
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.	



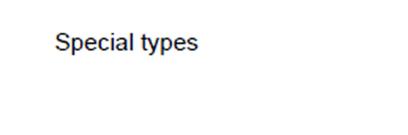
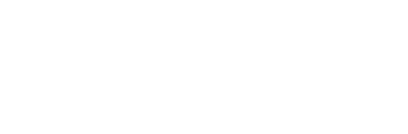
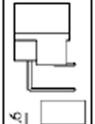
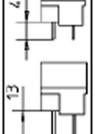
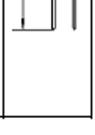
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Valukumpu Oy  
 Type D, IEC603, DIN 41612  
 Two Part Connectors for PCB

VK		-	D	032	M	S	-	C1	A	-	0,8	/	5	-001	-NP				
<b>D</b>		CONNECTOR TYPE								<b>A</b>		TERMINATION STYLE							
Two row body 4A								D											
<b>032</b>		CONTACT ARRANGEMENT AND NUMBER OF POSITIONS								<b>A</b>		F M							
       Special types								016		A		  							
<b>0,8</b>		CONTACT FINISH								<b>5</b>		TERMINATION 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								0,8		5		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							
<b>-001</b>		MARKING FOR SPECIAL TYPES								-001		Please contact manufacturer.							
<b>-NP</b>		Gold flash over nickel palladium over nickel								-NP									
<b>C1</b>		Complete connector with contact finish of gold																	



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