

# Product Data Sheet

DIN 41612 90° connector strip, Type C/2,  
Part No. 103-90064TH

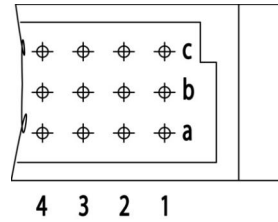
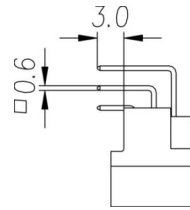
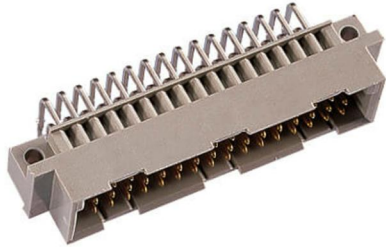


Illustration similar



Perpendicular



Through Hole



Rugged

- Connection length: 3 mm
- Number of poles: 48
- THTR
- Grade 2



» to product on [www.ept.de](http://www.ept.de)



» to product group DIN 41612

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## Technical Specifications

### Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	48
Termination Technology	THTR
Termination Length	3 mm
Operating Temperature Range	-55°C to +125°C

### Material

Insulator Material	PA, glass-fiber reinforced, UL 94 V-0
CTI value <i>IEC 60112</i>	600
Contact Material	copper alloy

### Mechanical

Pitch	2.54 mm
Mating Force	45 N
Separating Force per Pin	> 0.15 N
Durability	400 insertion cycles

### Electrical

Operational Current	2.6 A
Contact Resistance	20 mΩ
Clearance and Creepage	≥ 1.2 mm
Insulation Resistance	> 10 <sup>6</sup> MΩ
Test Voltage	1000 V

### Processing

Soldering Temperature	260°C according to J-STD-020
MSL	1

### Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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## Derating Diagram

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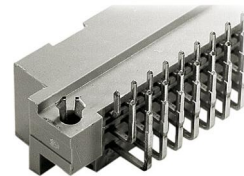
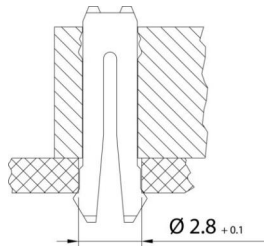
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## Options

Board Lock 90°

Suitable for connectors with type B, C, D, E, F, G male connectors and R female connectors



Type of Insertion	Forces			PCB Thickness	Part Number
	$F_m$	not soldered $F_h$	soldered $F_h$		
Locked	< 30 N	> 10 N	> 20 N	$\leq 1.6$ mm	103-90064THC1
Under Tension	< 30 N	> 7.5 N	> 20 N	> 1.6 mm	

## Modifications

Available on request

- Leading and trailing contacts
- Special configuration
- Grade I + III or custom
- Custom length

## Accessories

» DIN 41612 Kodierzange  
Artikelnummer 894-301

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## Drawings

Component data in 2D and 3D format you can download here:

» [PDF](#)