

Product Data Sheet

DIN 41612 90° Male, type C/3,
Part No. 103-80014TH

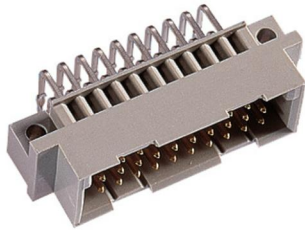
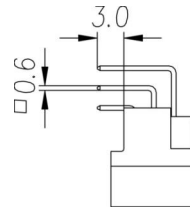
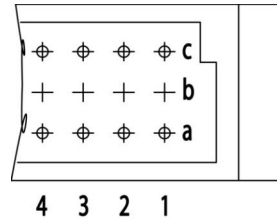


Illustration similar



Perpendicular



Through Hole



Rugged

- tail length 3 mm
- number of positions: 20
- THR
- performance level 2



» to product on 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	20
Termination Technology	THR
Termination Length	3 mm
Operating Temperature Range	-55°C to +125°C

Material

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

Mechanical

Pitch	2.54 mm
Mating Force	18 N
Separating Force per Pin	> 0.15 N
Durability	400 mating cycles

Electrical

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

Processing

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

Approval / Compliance

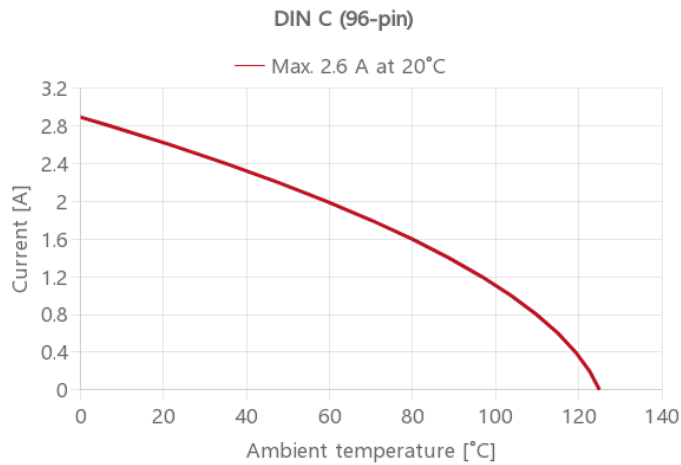
UL file	E130314
Environment	RoHS compliant

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Derating Diagram



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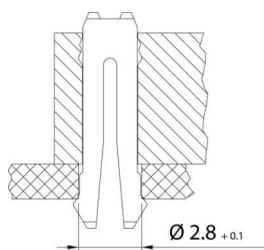
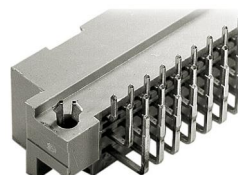
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Options

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	≤ 1.6 mm	103-80014THC1
Under Tension	< 30 N	> 7.5 N	> 20 N	> 1.6 mm	

Modifications

Available on request

- First mate, last-mate contacts
- custom loading
- Grade I + III or custom
- Custom length

Accessories

» DIN 41612 coding pliers
Part Number 894-301

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Drawings

Component data for this product you can request through sales@ept.de