

Product Data Sheet

DIN 41612 straight Male, type C/2,
Part No. 103-90165

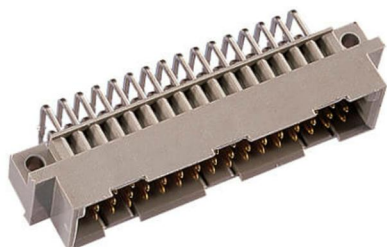
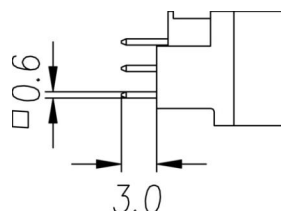
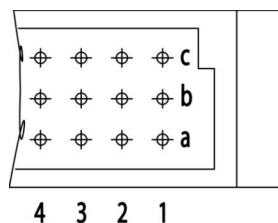


Illustration similar



Parallel



Perpendicular



Through Hole



Rugged

- tail length 3 mm
- number of positions: 48
- solder termination
- performance level 2
- Flange at a 90° angle to the direction of the connection



» to product on www.ept.de



» to product group DIN 41612

Product Data Sheet

DIN 41612 straight Male, type C/2,
Part No. 103-90165



Technical Specifications

Basics

Specification	IEC 60603-2 (DIN 41612)
Performance Level	2
No. of Contacts	48
Termination Technology	solder termination
Termination Length	3 mm
Board-to-Board Distance	17.85 mm
Operating Temperature Range	-55°C to +125°C

Material

Insulator Material	glass-fiber reinforced PBT, UL 94 V-0
CTI value <i>IEC 60112</i>	200
Contact Material	copper alloy

Mechanical

Pitch	2.54 mm
Mating Force	45 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	up to 260°C
-----------------------	-------------

Approval / Compliance

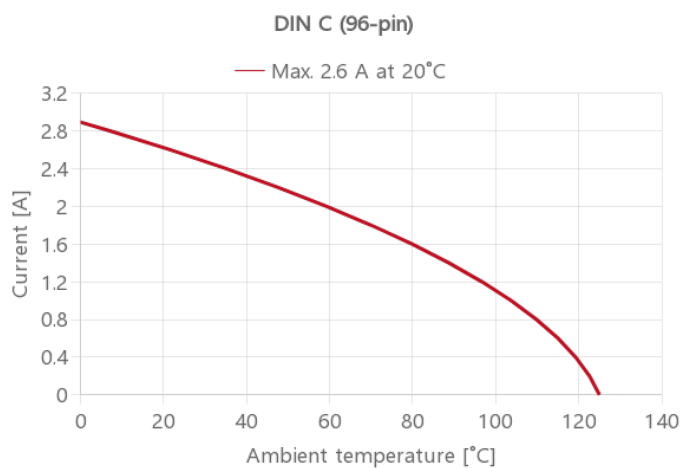
UL file	E130314
Environment	RoHS compliant

Product Data Sheet

DIN 41612 straight Male, type C/2,
Part No. 103-90165



Derating Diagram



Product Data Sheet

DIN 41612 straight Male, type C/2,
Part No. 103-90165



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

Drawings

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

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)