Product Data Sheet

DIN 41612 Female straight, type G,
Part No. 112-40084

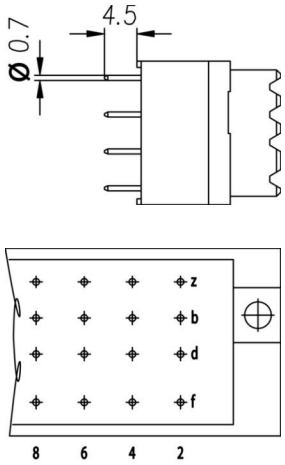

Illustration similar

Perpendicular

Through Hole

Power

Rugged

- Termination length 4.5 mm
- 64 contacts
- solder
- 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	64
Termination Technology	solder
Termination Length	4.5 mm
Operating Temperature Range	-55°C to +125°C

Material

Insulator Material	PBT glass filled UL 94 V-0
CTI value *IEC 60112*	200
Contact Material	Copper alloy

Mechanical

Pitch	5.08 x 3.81 mm
Mating Force	< 100 N
Separating Force per Pin	>0.2 N
Durability	400 mating cycles

Electrical

Operational Current	5.6 A
Contact Resistance	<15 mΩ
Clearance and Creepage	cr: ≥ 3.0 mm, cl: ≥ 1.6 mm
Insulation Resistance	$>10^6$ MΩ
Test Voltage	1550 V

Processing

Soldering Temperature	to 260°C

Approval / Compliance

UL file	E130314
Environment	RoHS compliant

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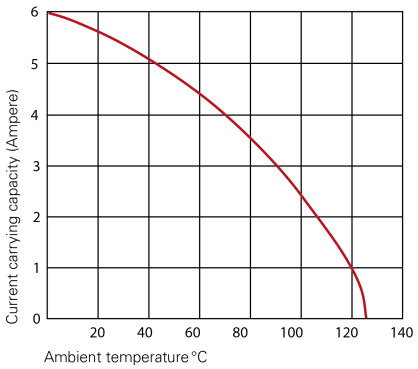
Derating Diagram

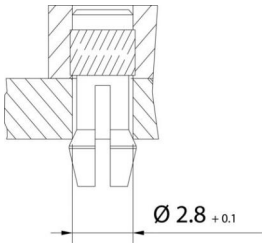


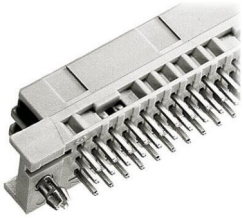
Type D, E, F, G	
20 °C	5.6 A
70 °C	4.0 A
100 °C	2.5 A

Options

Board Lock

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





	Forces			Part Number	PCB Thickness
Type of Insertion	F_m	not soldered F_h	soldered F_h	112-40084C1	1.6 mm
Locked	< 20 N	> 10 N	> 25 N	112-40084C2	2.4 mm
Under Tension	< 20 N	> 5 N	> 25 N	112-40084C3	3.6 mm

Modifications

Available on request

- Without flange
- Special contact length
- Performance levels I + III or customer-specific
- Contact arrangement

Accessories

» DIN 41612 Coding type D, E, F and G
Part Number 106-10001

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Drawings

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

» PDF » 3D IGES » 3D STEP » 3D PDF

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