Product Data Sheet

hm2.0 lower shield plate, type E, Part No. 246-21600-1



Illustration similar



Perpendicular



Press-fit

- 25 contacts
- tail length 3.4 mm
- for PCB thickness of at least 1.44 mm
- Tested in accordance with IEC 61076-4-101

» to product on www.ept.de

» to product group hm 2.0

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Technical Specifications

Basics

Specification	IEC 61076-4-101
Performance Level	2
No. of Contacts	25
Termination Technology	press-fit technology
Termination Length	3.4 mm
Operating Temperature Range	-55°C to +125°C

Material

Contact Material	Bronze

Mechanical

Pitch	2.0 mm
Mating Force per Pin	shielding: max. 1 N
Separating Force per Pin	shielding: min. 0.15 N
Durability	> 250 mating cycles

Electrical

Operational Current	1.5 A at +20°C, 1.0 A at +70°C
Test Voltage	750 V r.m.s.
Contact Resistance	max. 20 mΩ
Insulation Resistance	at least 10^4 MΩ
Data Transfer Rate	3.125 Gbit/s

Approval / Compliance

Environment	RoHS compliant

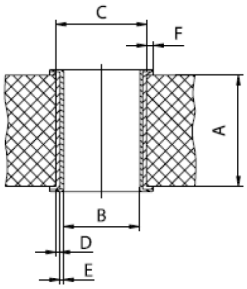
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Hole Specifications

Plated through-hole according to IEC 60352-5



Material	chem. Sn Schicht
Nominal Hole	**Ø 0.6 mm**
A PCB Thickness	min. 1.44 mm
B Plated Hole	Ø 0.60 ±0.05 mm
C Drill Hole	0.70 ±0.02 mm
D Cu Plating	min. 25 µm
E Surface	max. 1.5 µm; chem. Sn Leiterplatten
F Annular Ring	min. 0.1 mm

Material	Ni, Au Leiterplatten
Nominal Hole	**Ø 0.6 mm**
A PCB Thickness	min. 1.44 mm
B Plated Hole	Ø 0.60 ±0.05 mm
C Drill Hole	0.70 ±0.02 mm
D Cu Plating	min. 25 µm
E Surface	Ni, Au Schicht, 0.05 - 0.2 µm Au über 2.5 - 5 µm Ni
F Annular Ring	min. 0.1 mm

Material	rein Cu Leiterplatten
Nominal Hole	**Ø 0.6 mm**
A PCB Thickness	min. 1.44 mm
B Plated Hole	Ø 0.60 ±0.05 mm
C Drill Hole	0.70 ±0.02 mm
D Cu Plating	min. 25 µm
E Surface	OSP*,z.B. GLICOAT-SMD (F2) mit 0.12 - 0.15 µm
F Annular Ring	min. 0.1 mm

Material	HAL Sn Leiterplatten
Nominal Hole	**Ø 0.6 mm**
A PCB Thickness	min. 1.44 mm
B Plated Hole	Ø 0.60 ±0.05 mm
C Drill Hole	0.70 ±0.02 mm
D Cu Plating	min. 25 µm
E Surface	HAL Sn, 5 - 15 µm
F Annular Ring	min. 0.1 mm

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Drawings

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

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