

Product Data Sheet

DIN 41612 VME 64x female,
Part No. 306-67069-14

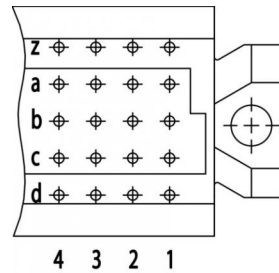
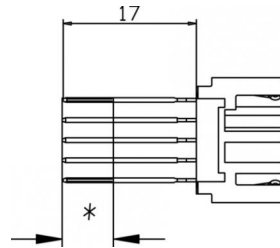
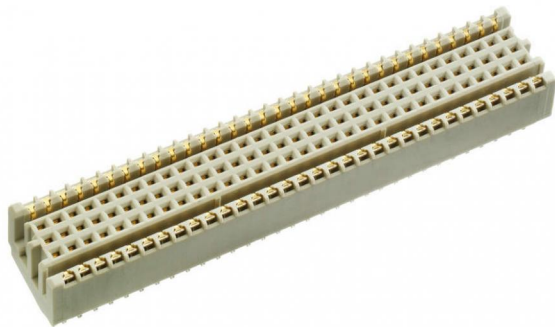


Illustration similar



Perpendicular



Press-fit



Rugged

- Termination length 17 mm
- with plug-in zone in performance level 1
- 160 contacts
- Press-fit
- performance level 1
- Ansi flange



» to product on www.ept.de



» to product group DIN 41612

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Technical Specifications

Basics

| | |
|-----------------------------|-----------------|
| Specification | IEC 61076-4-113 |
| Performance Level | 1 |
| No. of Contacts | 160 |
| Termination Technology | Press-fit |
| Termination Length | 17 mm |
| Operating Temperature Range | -55°C to +125°C |

Material

| | |
|-------------------------------|----------------------------|
| Insulator Material | PBT glass filled UL 94 V-0 |
| CTI value <i>IEC 60112</i> | 200 |
| Contact Material | Copper alloy |

Mechanical

| | |
|--------------------------|-------------------|
| Pitch | 2.54 mm |
| Mating Force | 160 N |
| Separating Force per Pin | > 0.15 N |
| Durability | 500 mating cycles |

Electrical

| | |
|------------------------|---------------------------|
| Operational Current | 1.5 A |
| Contact Resistance | <20 mΩ |
| Clearance and Creepage | abc ≥ 1.2 mm, zd ≥ 1.0 mm |
| Insulation Resistance | 10 ⁴ MΩ |
| Test Voltage | 1000 V |

Approval / Compliance

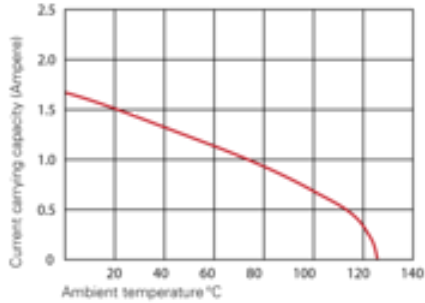
| | |
|-------------|----------------|
| UL file | E130314 |
| Environment | RoHS compliant |

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Derating Diagram



Type B, Q, C, R

| | |
|-------|-------|
| 20°C | 1.5 A |
| 70°C | 1.1 A |
| 100°C | 0.7 A |

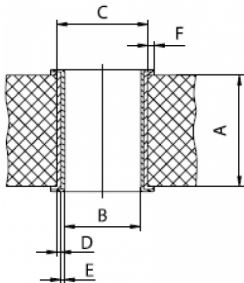
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Hole Specifications

Plated through-hole according to IEC 60352-5



| Material | imm. Sn printed circuit boards |
|------------------------|--------------------------------|
| Nominal Hole | Ø 1.0 mm |
| A PCB Thickness | min 1.44 mm |
| B Plated Hole | Ø 1.0 +0.09 / -0.06 mm |
| C Drill Hole | 1.15 ±0.025 mm |
| D Cu Plating | min. 25 µm |
| E Surface | imm. Sn plating, max. 1.5 µm |
| F Annular Ring | min. 0.1 mm |

| Material | Ni, Au printed circuit boards |
|------------------------|---|
| Nominal Hole | Ø 1.0 mm |
| A PCB Thickness | min 1.44 mm |
| B Plated Hole | Ø 1.0 +0.09 / -0.06 mm |
| C Drill Hole | 1.15 ±0.025 mm |
| D Cu Plating | min. 25 µm |
| E Surface | Ni, Au plating, 0.05 - 0.2 µm Au over 2.5 - 5 µm Ni |
| F Annular Ring | min. 0.1 mm |

| Material | pure Cu printed circuit boards |
|------------------------|--|
| Nominal Hole | Ø 1.0 mm |
| A PCB Thickness | min 1.44 mm |
| B Plated Hole | Ø 1.0 +0.09 / -0.06 mm |
| C Drill Hole | 1.15 ±0.025 mm |
| D Cu Plating | min. 25 µm |
| E Surface | OSP, z.B. GLICOAT-SMD (F2) with 0.12 - 0.15 µm |
| F Annular Ring | min. 0.1 mm |

| Material | HAL Sn printed circuit boards |
|------------------------|-------------------------------|
| Nominal Hole | Ø 1.0 mm |
| A PCB Thickness | min 1.44 mm |
| B Plated Hole | Ø 1.0 +0.09 / -0.06 mm |
| C Drill Hole | 1.15 ±0.025 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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Accessories

» DIN 41612 Shroud VME
Part Number 315-15401

» DIN 41612 Shroud VME
Part Number 315-15402

Drawings

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

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)