

Product Data Sheet

VarPol Straight pin header 1-row, Part No. 971-nn039-ba

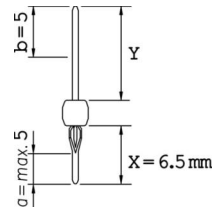


Illustration similar



Parallel



Press-fit

- length mating face (Y) = 6.7 mm
- Press-fit
- termination length 6.5 mm
- 2 - 36 contacts (nn in part number = pins / row)
- 1-row
- b in part number defines Performance Level of mating side; a defines Performance Level of termination side



» to product on www.ept.de



» to product group Varpol connectors

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Technical Specifications

Basics

| | |
|-----------------------------|---------------------|
| No. of Contacts | 2 - 36 |
| Termination Technology | Press-fit |
| Termination Length | 6.5 mm |
| Board-to-Board Distance | 13.95 mm - 17.15 mm |
| Operating Temperature Range | -55°C to +125°C |

Material

| | |
|--------------------|-----------------------------|
| Insulator Material | PBT glass filled, UL 94 V-0 |
| Contact Material | Copper alloy |

Mechanical

| | |
|--------------------------|------------|
| Pitch | 2.54 mm |
| Mating Force per Pin | max. 0.9 N |
| Separating Force per Pin | min 0.6 N |

Electrical

| | |
|------------------------|----------------------|
| Operational Current | max. 1.9 A |
| Operational Voltage | 150 V |
| Contact Resistance | < 20 mΩ |
| Clearance and Creepage | 1.2 mm |
| Insulation Resistance | > 10 ⁶ MΩ |

Approval / Compliance

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

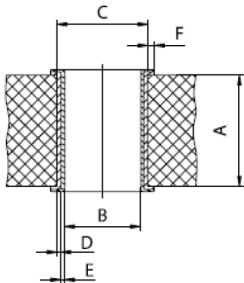
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Hole Specifications

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 | 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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Drawings

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

[» PDF](#)