

Product Data Sheet

VarPol Straight pin header 1-row, Part No. 971-nn051-ba

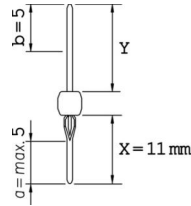


Illustration similar



Parallel



Press-fit

- length mating face (Y) = 8.0 mm
- Press-fit
- termination length 11 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	11 mm
Board-to-Board Distance	14.45 mm - 18.45 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	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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Drawings

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

[» PDF](#)