

# Product Data Sheet

PC/104-Plus Straight pin header,  
Part No. 272-30000-31

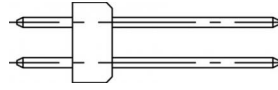


Illustration similar



Parallel



Press-fit

- termination length 2.8 mm
- 60 contacts
- performance level 3



» to product on [www.ept.de](http://www.ept.de)



» to product group PC/104, PC/104-Plus

# Product Data Sheet

PC/104-Plus Straight pin header,  
Part No. 272-30000-31



## Technical Specifications

### Basics

Specification	PC/104-Plus
Performance Level	3
No. of Contacts	60
Termination Technology	Press-fit
Termination Length	2.8 mm
Board-to-Board Distance	15.24 mm & 22 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	2.0 mm
Mating Force per Pin	max. 1.5 N
Separating Force per Pin	min. 0.3 N

### Electrical

Operational Current	max. 1.7 A
Operational Voltage	100 V
Contact Resistance	< 20 mΩ
Clearance and Creepage	min. 0.5 mm
Insulation Resistance	> 10 <sup>6</sup> MΩ

### Approval / Compliance

UL file	E130314
Environment	RoHS compliant

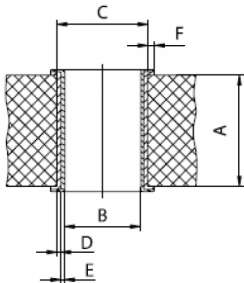
# Product Data Sheet

## PC/104-Plus Straight pin header, Part No. 272-30000-31



### Hole Specifications

Plated through-hole according to IEC 60352-5



Material	imm. Sn printed circuit boards
<b>Nominal Hole</b>	<b>Ø 0.85 mm</b>
<b>A PCB Thickness</b>	min 1.44 mm
<b>B Plated Hole</b>	Ø 0.85 +0.10 / -0.05 mm
<b>C Drill Hole</b>	1.0 ±0.025 mm
<b>D Cu Plating</b>	min. 25 µm
<b>E Surface</b>	imm. Sn plating, max. 1.5 µm
<b>F Annular Ring</b>	min. 0.1 mm

Material	Ni, Au printed circuit boards
<b>Nominal Hole</b>	<b>Ø 0.85 mm</b>
<b>A PCB Thickness</b>	min 1.44 mm
<b>B Plated Hole</b>	Ø 0.85 +0.10 / -0.05 mm
<b>C Drill Hole</b>	1.0 ±0.025 mm
<b>D Cu Plating</b>	min. 25 µm
<b>E Surface</b>	Ni, Au plating, 0.05 - 0.2 µm Au over 2.5 - 5 µm Ni
<b>F Annular Ring</b>	min. 0.1 mm

Material	pure Cu printed circuit boards
<b>Nominal Hole</b>	<b>Ø 0.85 mm</b>
<b>A PCB Thickness</b>	min 1.44 mm
<b>B Plated Hole</b>	Ø 0.85 +0.10 / -0.05 mm
<b>C Drill Hole</b>	1.0 ±0.025 mm
<b>D Cu Plating</b>	min. 25 µm
<b>E Surface</b>	OSP*, z.B. GLICOAT-SMD (F2) with 0.12 - 0.15 µm
<b>F Annular Ring</b>	min. 0.1 mm

Material	HAL Sn printed circuit boards
<b>Nominal Hole</b>	<b>Ø 0.85 mm</b>
<b>A PCB Thickness</b>	min 1.44 mm
<b>B Plated Hole</b>	Ø 0.85 +0.10 / -0.05 mm
<b>C Drill Hole</b>	1.0 ±0.025 mm
<b>D Cu Plating</b>	min. 25 µm
<b>E Surface</b>	HAL Sn, 5 - 15 µm
<b>F Annular Ring</b>	min. 0.1 mm

# Product Data Sheet

PC/104-Plus Straight pin header,  
Part No. 272-30000-31

---



## Drawings

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

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)