# Product Data Sheet

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

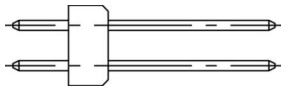




Illustration similar



Parallel



Press-fit

- Connector length: 2.8 mm
- Number of poles: 60
- Grade 3

» to product on www.ept.de

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



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## PC/104-Plus 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 technology |
| 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 | Glass-fiber-reinforced PBT, 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 | at least 0.3 N |

### Electrical

| | |
|---|---|
| Operational Current | max. 1.7 A |
| Operational Voltage | 100 V |
| Contact Resistance | 20 mΩ |
| Clearance and Creepage | at least 0.5 mm |
| Insulation Resistance | $>10^6$ MΩ |

### Approval / Compliance

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



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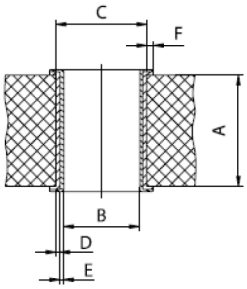
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# Product Data Sheet

## PC/104-Plus pin header,
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### Hole Specifications

Plated through-hole according to IEC 60352-5




| Material | chem. Sn Leiterplatten |
|---|---|
| **Nominal Hole** | **Ø 0.85 mm** |
| **A PCB Thickness** | min. 1.44 mm |
| **B Plated Hole** | Ø 0.85 +0.10 / -0.05 mm |
| **C Drill Hole** | 1.0 ±0.025 mm |
| **D Cu Plating** | min. 25 µm |
| **E Surface** | chem. Sn Schicht, max. 1.5 µm |
| **F Annular Ring** | min. 0.1 mm |

| Material | Ni, Au Leiterplatten |
|---|---|
| **Nominal Hole** | **Ø 0.85 mm** |
| **A PCB Thickness** | min. 1.44 mm |
| **B Plated Hole** | Ø 0.85 +0.10 / -0.05 mm |
| **C Drill Hole** | 1.0 ±0.025 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 0.85 mm** |
| **A PCB Thickness** | min. 1.44 mm |
| **B Plated Hole** | Ø 0.85 +0.10 / -0.05 mm |
| **C Drill Hole** | 1.0 ±0.025 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 0.85 mm** |
| **A PCB Thickness** | min. 1.44 mm |
| **B Plated Hole** | Ø 0.85 +0.10 / -0.05 mm |
| **C Drill Hole** | 1.0 ±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 » 3D IGES » 3D STEP » 3D PDF




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