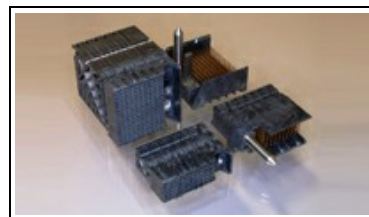




2149988-2 Product Details

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2149988-2

TE Internal Number: 2149988-2

Active

Impact High Density Backplane Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector Style = Header
- 48/Signal, 24/Ground
- 72 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle, Vertical

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [IMPACT, 4 PAIR, 6 COLUMN, HEADER RIGHT GUIDED, OPEN ...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

Related Products:

- [Tooling](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- PCB Mount Retention Type = Action/Compliant Tail and Screw(s), Locating Post(s)

Electrical Characteristics:

- Impedance (Ω) = 100
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 120
- Operating Voltage (VDC) = 120

Dimensions:

- Tail Length (mm [in]) = 1.2 [0.047]
- Length (X-Axis) (mm [in]) = 17.90 [0.7047]
- Width (Z-Axis) (mm [in]) = 20.80 [0.819]
- Profile Height (Y-Axis) (mm [in]) = 11.95 [0.470]
- PCB Hole Diameter (mm [in]) = 0.46 [0.018]

Body Features:

- Header Type = Partially Shrouded

Contact Features:

- Contact Type = Pin
- Contact Length (mm [in]) = 4.90 [0.193]
- Contact Plating, Termination Area, Material = Matte Tin
- Contact Plating, Termination Area, Thickness (μm [μin]) = 1.27 [50]
- Contact Base Material = Copper-Nickel-Silicon
- Underplate Material = Nickel
- Underplate Material Thickness (μm [μin]) = 1.27 [50.000]

Housing Features:

- Connector Style = Header
- End Wall Location = Open

Configuration Features:

- Connector Contact Configuration (No. of Pos./Type) = 48/Signal, 24/Ground
- [Number of Positions](#) = 72
- Number of Differential Pairs Per Column = 4
- Number of Columns = 6
- [Number of Rows](#) = 12
- Shrouded = Yes - Partial
- Guide Location = Right
- Tail Orientation = In-line

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not reviewed for lead free solder process
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Rating = Recognized
- UL File Number = E28476
- UL Flammability Rating = UL 94V-0
- CSA Certified = Yes

Environmental:

- Operating Temperature ($^{\circ}\text{C}$ [$^{\circ}\text{F}$]) = -55 - +85 [-67 - +185]

Conditions for Usage:

- Board-to-Board Configuration = Right Angle, Vertical

Operation/Application:

- Industry Application = Networking (Communications)

Packaging Features:

- Packaging Method = Tube

Feedback

- Housing Color = Black
- Housing Material = Liquid Crystal Polymer (LCP)

- Other:**
- Brand = TE Connectivity

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