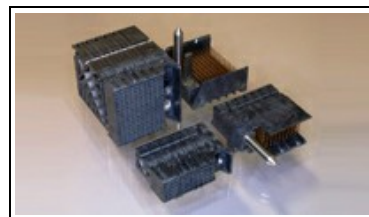


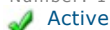


1-2227790-1 Product Details



1-2227790-1

TE Internal Number: 1-2227790-1



Impact High Density Backplane Connectors

Not reviewed for RoHS Compliance

Product Highlights:

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

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Documentation & Additional Information

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Related Products:

- [Tooling](#)

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

Product Type Features:

- PCB Mount Retention Type = Action/Compliant Tail and Screw(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]
- PCB Hole Diameter (mm [in]) = 0.46 [0.018]

Body Features:

- Header Type = Partially Shrouded

Contact Features:

- Contact Type = Pin
- Contact Length (mm [in]) = 4.50 [0.177]
- 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
- Housing Color = Black
- Housing Material = Liquid Crystal Polymer (LCP)

Configuration Features:

- Connector Contact Configuration (No. of Pos./Type) = 48/Signal, 24/Ground
- [Number of Positions](#) = 72
- Number of Differential Pairs Per Column = 3
- Number of Columns = 8
- [Number of Rows](#) = 9
- Shrouded = Yes - Partial
- Guide Location = Left
- Tail Orientation = In-line

Industry Standards:

- [RoHS/ELV Compliance](#) = Not reviewed for ELV/RoHS compliance
- [Lead Free Solder Processes](#) = Not reviewed for lead free solder process
- UL Rating = Recognized
- UL File Number = E28476
- 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

Other:

- Brand = TE Connectivity

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