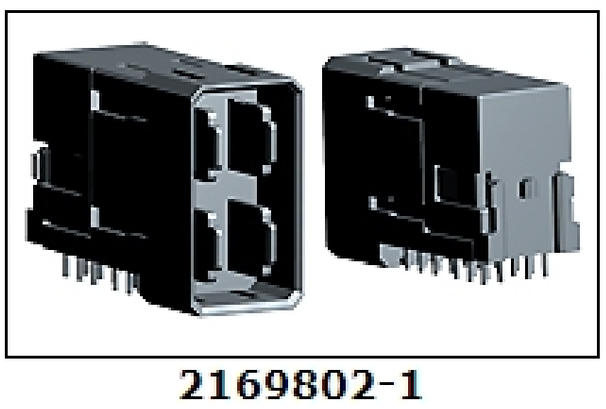
2169802-1 Product Details



2169802-1

TE Internal Number: 2169802-1

Active

View 3D PDF

Impact High Density Backplane Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector Style = Header
- 12/Power
- 24 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle

View all Features

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- Pricing & Availability
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Documentation & Additional Information

Product Drawings:
- None Available

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version A)
- 3D Model (IGES, Version A)
- 3D Model (STEP, Version A)

List all Documents

Related Products:
- Tooling

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

Product Type Features:
- PCB Mount Retention Type = Action/Compliant Tail

Electrical Characteristics:
- Operating Voltage Reference = DC, AC rms
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

Dimensions:
- Stack Height (mm [in]) = 19.95 [0.7854]
- Tail Length (mm [in]) = 2.5 [0.098]
- Length (X-Axis) (mm [in]) = 27.97 [1.101]
- Width (Z-Axis) (mm [in]) = 11.00 [0.433]
- Profile Height (Y-Axis) (mm [in]) = 19.95 [0.7854]
- PCB Hole Diameter (mm [in]) = 0.725 [0.0285]

Body Features:
- Header Type = Partially Shrouded

Contact Features:
- Contact Type = Pin
- Contact Length (mm [in]) = 6.90 [0.271]
- Contact Plating, Termination Area, Material = Matte Tin
- Contact Plating, Termination Area, Thickness (µm [µin]) = 2.54 [100]
- Contact Base Material = Copper Alloy
- Underplate Material = Nickel
- Underplate Material Thickness (µm [µin]) = 1.27 [50.000]

Housing Features:
- Connector Style = Header
- Housing Color = Black
- Housing Material = Liquid Crystal Polymer (LCP)

Configuration Features:
- Connector Contact Configuration (No. of Pos./Type) = 12/Power
- Number of Positions = 24
- Number of Columns = 2
- Number of Rows = 6
- 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 (°C [°F]) = -55 – +85 [-67 – +185]

Conditions for Usage:
- Board-to-Board Configuration = Right Angle

Operation/Application:
- Industry Application = Networking (Communications)

Packaging Features:
- Packaging Method = Tray

Other:
- Brand = TE Connectivity

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