1-2007704-1 Product Details

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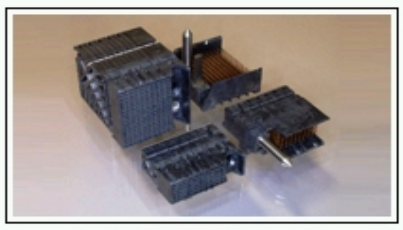

1-2007704-1

TE Internal Number: 1-2007704-1

Active

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Impact High Density Backplane Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- IMPACT Product Line
- Board-to-Board
- Applies To Printed Circuit Board
- Board-to-Board Configuration = Right Angle
- Connector

View all Features

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Documentation & Additional Information

Product Drawings:

- IMPACT, 3 PAIR, DAUGHTERCARD 10 COLUMN, RIGHT GUIDED... (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- IMPACT Standard Connector Systems (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version D)
- 3D Model (IGES, Version D)
- 3D Model (STEP, Version D)

List all Documents

Related Products:

- Tooling

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

Product Type Features:

- Product Line = IMPACT
- Product Type = Connector
- Connector Type = Connector Assembly
- PCB Mount Retention = With
- PCB Mount Retention Type = Compliant Tail
- Termination Method to PC Board = Through Hole - Press Fit
- PCB Mounting Orientation = Right Angle
- PCB Mount Alignment Type = Locating Posts
- Make First / Break Last = No
- UL File Number = E28476

Electrical Characteristics:

- Impedance (Ω) = 100
- Contact - Rated Current (A) = 0.75
- Hot Pluggable = No
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 120
- Operating Voltage (VDC) = 120

Termination Features:

- Tail Length (mm [in]) = 1.2 [0.047]
- Tail Orientation = In-line

Dimensions:

- Length (X-Axis) (mm [in]) = 19.00 [0.748]
- Width (Z-Axis) (mm [in]) = 24.20 [0.953]
- Profile Height (Y-Axis) (mm [in]) = 13.30 [0.524]

Body Features:

- Mating Retention = Without
- Underplate Material Thickness (µm [µin]) = 1.27 [50.000]

Contact Features:

- Contact Design = Dual Beam
- Contact Type = Socket
- Contact Base Material = Copper-Nickel-Silicon
- Contact Plating, Mating Area, Material = Gold
- Contact Plating, Mating Area, Thickness (µm [µin]) = 0.76 [29.92]
- Contact Plating, Termination Area, Material = Matte Tin
- Contact Plating, Termination Area, Thickness (µm [µin]) = 1.27 [50]
- Underplate Material = Nickel

Housing Features:

- Connector Style = Receptacle
- Housing Color = Black
- Centerline (mm [in]) = 1.90 [0.075]
- Mating Alignment = With
- Housing Material = Liquid Crystal Polymer (LCP)
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Connector Contact Configuration (No. of Pos./Type) = 60/Signal, 30/Ground
- Number of Positions = 90
- Number of Rows = 9
- Number of Columns = 10
- Differential Signaling = Yes
- Number of Differential Pairs Per Column = 3
- Guide Location = Right

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Rating = Recognized
- CSA Certified = Yes

Environmental:

- Operating Temperature (°C [°F]) = -55 – +85 [-67 – +185]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Board-to-Board Configuration = Right Angle

Operation/Application:

- Application Use = Board-to-Board
- Contact Transmits (Typical Application) = Signal (Data)
- Industry Application = Networking (Communications)

Packaging Features:

- Packaging Method = Tube

Other:

- Brand = TE Connectivity

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