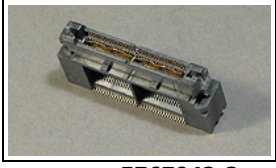


5767042-2 Product Details



5767042-2

TE Internal Number: 5767042-2



.025 [0.64] Centerline Matched Impedance Connector (MICTOR)

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- MICTOR Product Line
- Board-to-Board
- Board-to-Board Configuration = Mezzanine
- Connector
- Connector Assembly

Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, .738\[18.75\] VERTICAL, .025\[0.64\] CENT...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [MICTOR Interconnection System](#) (PDF, English)
- [Fine Pitch Stacking Connectors - 0.635mm MICTOR Conn...](#) (PDF, English)

Product Specifications:

- [Surface Mount Matched Impedance Connector](#) (PDF, English)

Application Specifications:

- [MICTOR Vertical Connectors for Surface Mount Techno...](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version A1)
- [3D Model](#) (IGES, Version A1)
- [3D Model](#) (STEP, Version A1)

Additional Information:

- [Product Line Information](#)
- [High Speed MICTOR Cable Assemblies](#)

Related Products:

- [Tooling](#)
- [Mating Products \(19\)](#)

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

Product Type Features:

- Product Line = MICTOR
- Product Type = Connector
- Connector Type = Connector Assembly
- Mount Angle = Vertical
- PCB Mount Alignment = With
- PCB Mount Retention = Without
- Termination Method to PC Board = Hybrid Surface Mount
- UL File Number = E28476
- CSA File Number = 1195944

Electrical Characteristics:

- Data Rate (Gb/s) = 10
- Contact - Rated Current (A) = 11.5
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 30
- Operating Voltage (VDC) = 30

Dimensions:

- [Mated Stack Height \(Vertical\) \(mm \[in\]\)](#) = 18.75 [0.738], 27.80 [1.093]
- Length (X-Axis) (mm [in]) = 38.10 [1.499]
- Width (Z-Axis) (mm [in]) = 8.128 [0.320]
- Profile Height (Y-Axis) (mm [in]) = 17.7546 [0.699]

Body Features:

- Connector Color = Black
- Solder Tail Orientation = Inline
- Mating Retention = Without

Contact Features:

- Tail Plating Material = Matte Tin
- Contact Design = Dual Beam
- Contact Base Material = Conpper Allow

Configuration Features:

- [Number of Positions](#) = 76
- [Number of Signal Positions](#) = 76
- [Number of Power Positions](#) = 2
- [Number of Columns](#) = 38
- [Number of Rows](#) = 2
- [Differential Signaling](#) = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant
- [UL Rating](#) = Listed
- [CSA Certified](#) = Yes

Environmental:

- [Operating Temperature \(°C \[°F\]\)](#) = -55 - +125 [-67 - +257]

Conditions for Usage:

- [Board-to-Board Configuration](#) = Mezzanine
- [Applies To](#) = Printed Circuit Board

Operation/Application:

- [Application Use](#) = Board-to-Board
- [Pick and Place Cover](#) = Without
- [Contact Transmits \(Typical Application\)](#) = Signal (Data)/Power

Packaging Features:

- [Packaging Method](#) = Tube

Other:

- [Brand](#) = AMP

Contact Base Material = Copper Alloy

- Contact Plating, Mating Area, Material = Gold or Palladium Nickel or Performance Based
- Underplate Material = Nickel

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 0.64 [0.025]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- UL Flammability Rating = UL 94V-0

