

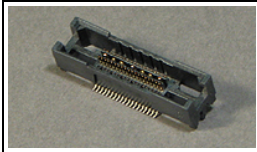


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5767171-1

TE Internal Number: 5767171-1
 Active

.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

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| Documentation & Additional Information | |
|--|--|
| <p>Product Drawings:</p> <ul style="list-style-type: none"> • RECEPTACLE ASSEMBLY, VERTICAL, .025[0.64] CL, GULL W... (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • MICTOR Interconnection System (PDF, English) • Fine Pitch Stacking Connectors - 0.635mm MICTOR Conn... (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • Surface Mount Matched Impedance Connector (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • MICTOR Vertical Connectors for Surface Mount Techno... (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files:</p> <ul style="list-style-type: none"> • None Available | <p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information • High Speed MICTOR Cable Assemblies <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling • Mating Products (29) |
| List all Documents | |

| Product Features (Please use the Product Drawing for all design activity) | |
|---|---|
| <p>Product Type Features:</p> <ul style="list-style-type: none"> • 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 <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Data Rate (Gb/s) = 10 • Contact - Rated Current (A) = 11.5 • Operating Voltage Reference = AC/DC • Operating Voltage (VAC) = 30 • Operating Voltage (VDC) = 30 <p>Dimensions:</p> <ul style="list-style-type: none"> • Mated Stack Height (Vertical) (mm [in]) = 6.60 [0.260], 9.00 [0.354], 10.92 [0.430], 12.57 [0.495], 17.96 [0.707], 18.75 [0.738], 20.00 [0.785], 22.86 [0.900] • Length (X-Axis) (mm [in]) = 25.40 [1.000] • Width (Z-Axis) (mm [in]) = 6.90 [0.272] • Profile Height (Y-Axis) (mm [in]) = 6.096 [0.240] <p>Body Features:</p> <ul style="list-style-type: none"> • Connector Color = Black • Solder Tail Orientation = Inline • Mating Retention = Without | <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 38 • Number of Signal Positions = 38 • Number of Power Positions = 1 • Number of Columns = 19 • Number of Rows = 2 • Differential Signaling = Yes <p>Industry Standards:</p> <ul style="list-style-type: none"> • 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 <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C [°F]) = -55 - +125 [-67 - +257] <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Board-to-Board Configuration = Mezzanine • Applies To = Printed Circuit Board <p>Operation/Application:</p> <ul style="list-style-type: none"> • Application Use = Board-to-Board • Pick and Place Cover = With • Contact Transmits (Typical Application) = Signal (Data)/Power <p>Packaging Features:</p> |

Contact Features:

- Tail Plating Material = Matte Tin
- Contact Design = Dual Beam
- Contact Base Material = Copper Alloy
- Contact Plating, Mating Area, Material = Gold or Palladium Nickel or Performance Based
- Pitch (mm [in]) = 24.003 [0.945]
- Underplate Material = Nickel

Housing Features:

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

- Packaging Method = Tape & Reel

Other:

- Brand = AMP

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