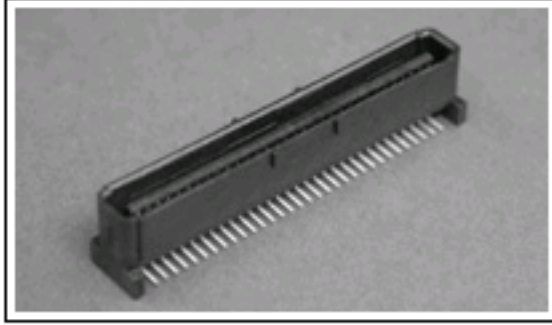




1-120533-1 Product Details

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1-120533-1

TE Internal Number: 1-120533-1
✔ Active

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1 mm Free Height (IEEE 1386)

✔ 5 of 6 EU RoHS/ELV Compliant (Find RoHS Compliant Alternates/Statement of Compliance)

Product Highlights:

- Connector Style = Plug
- 64 Positions
- Stack Height = 9.00 mm, 11.00 mm, 14.00 mm
- Without PCB Mount Retention
- Without PCB Mount Alignment

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [PLUG ASSY, W/COVER 1.0mm FH\(IEEE\) CONNECTOR \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [1.0 mm Mezzanine Connectors \(PDF, English\)](#)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

Additional Product Images:

- [Product Photo](#)

Related Products:

- [Tooling](#)
- [Mating Products \(15\)](#)

[List all Documents](#)

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

Product Type Features:

- PCB Mount Retention = Without
- PCB Mount Alignment = Without
- Product Type = Connector
- Connector Type = Connector Assembly
- Product Line = 1mm FH
- UL File Number = E28476
- CSA File Number = LR7189
- Termination Method to PC Board = Surface Mount
- PCB Mounting Orientation = Vertical

Electrical Characteristics:

- Contact - Rated Current (A) = 0.8
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

Termination Features:

- Tail Length (mm [in]) = 2.05 [0.081]
- Tail Orientation = In-line

Dimensions:

- Length (X-Axis) (mm [in]) = 34.22 [1.347]
- Width (Z-Axis) (mm [in]) = 6.04 [0.238]
- Profile Height (Y-Axis) (mm [in]) = 7.35 [0.289]

Body Features:

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

Contact Features:

- Contact Base Material = Phosphor Bronze
- [Contact Plating, Mating Area, Material = Gold](#)
- Contact Plating, Mating Area, Thickness (µm [µin]) = 1.27 [50]
- Contact Plating, Termination Area, Material = Tin-Lead
- Contact Plating, Termination Area, Thickness (µm [µin]) = 3.81 [150]
- Underplate Material = Nickel
- Contact Design = Single Beam
- Pitch (mm [in]) = 16.00 [0.630]
- Tin to Lead Ratio = 93 / 7

Housing Features:

- Connector Style = Plug
- [Centerline \(mm \[in\]\) = 1.00 \[0.039\]](#)
- UL Flammability Rating = UL 94V-0
- Housing Color = Black
- Mating Alignment = Without
- Housing Material = Thermoplastic

Configuration Features:

- [Number of Positions = 64](#)
- [Stack Height \(mm \[in\]\) = 11.00 \[0.433\], 9.00 \[0.354\], 14.00 \[0.551\]](#)
- Number of Columns = 32
- Number of Rows = 2
- Differential Signaling = Yes

Industry Standards:

- [RoHS/ELV Compliance = ELV compliant, 5 of 6 Compliant](#)
- [Lead Free Solder Processes = Reflow solder capable to 245°C, Reflow solder capable to 260°C](#)
- Industry Standard = IEEE 1386 Mezzanine Connector
- Agency/Standard = UL, CSA
- UL Rating = Listed
- CSA Certified = Yes

Environmental:

- Operating Temperature (°C [°F]) = -55 - +110 [-67 - +230]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Board-to-Board Configuration = Mezzanine

Operation/Application:

- Pick and Place Cover = With
- Application Use = Board-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

Packaging Features:

- Packaging Method = Tape & Reel

Other:

- Brand = AMP

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