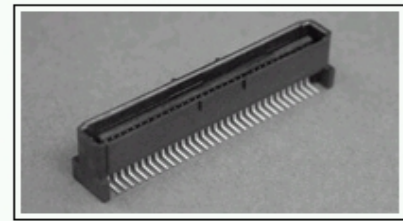




1-120527-1 Product Details

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1-120527-1

TE Internal Number: 1-120527-1

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 = 10.00 mm, 12.00 mm, 13.00 mm, 15.00 mm
- With PCB Mount Retention
- With PCB Mount Alignment

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • PLUG ASSY, 1.0mm FH(IEEE 1386) CONNECTOR (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • 1.0 mm Mezzanine Connectors (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version D) • 3D Model (IGES, Version D) • 3D Model (STEP, Version D) 	<p>Additional Product Images:</p> <ul style="list-style-type: none"> • Product Photo <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling • Mating Products (18)

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Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • PCB Mount Retention = With • PCB Mount Alignment = With • 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 • PCB Mount Alignment Type = Locating Posts <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 0.8 • Operating Voltage Reference = AC/DC • Operating Voltage (VAC) = 250 • Operating Voltage (VDC) = 250 <p>Termination Features:</p> <ul style="list-style-type: none"> • Tail Length (mm [in]) = 2.05 [0.081] • Tail Orientation = In-line <p>Dimensions:</p> <ul style="list-style-type: none"> • Length (X-Axis) (mm [in]) = 34.22 [1.347] • Width (Z-Axis) (mm [in]) = 6.04 [0.238] • Profile Height (Y-Axis) (mm [in]) = 8.38 [0.329] <p>Body Features:</p> <ul style="list-style-type: none"> • Number of Positions = 64 • Underplate Material Thickness (µm [µin]) = 1.27 [50.000] • Number of Rows = 2 • PCB Mount Retention Type = Locating Posts • Mating Retention = Without <p>Contact Features:</p> <ul style="list-style-type: none"> • 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 	<p>Housing Features:</p> <ul style="list-style-type: none"> • 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 <p>Configuration Features:</p> <ul style="list-style-type: none"> • Stack Height (mm [in]) = 12.00 [0.472], 13.00 [0.512], 15.00 [0.591], 10.00 [0.394] • Number of Columns = 32 • Differential Signaling = Yes <p>Industry Standards:</p> <ul style="list-style-type: none"> • 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 <p>Environmental:</p> <ul style="list-style-type: none"> • Operating Temperature (°C [°F]) = -55 - +110 [-67 - +230] <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Applies To = Printed Circuit Board • Board-to-Board Configuration = Mezzanine <p>Operation/Application:</p> <ul style="list-style-type: none"> • Pick and Place Cover = Without • Application Use = Board-to-Board • Contact Transmits (Typical Application) = Signal (Data) <p>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Tape & Reel <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP

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