

5211450-1 Product Details



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TE Internal Number: 5211450-1



Shielded Circular DIN Connectors

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Wire-to-Board, Wire-to-Panel
- Connector
- Header
- Connector Style = Receptacle
- Applies To Panel, Applies To Printed Circuit Board

Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • RECEPTACLE ASSEMBLY, 5 POSN, RIGHT ANGLE, CIRCULAR DIN (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"> • Circular DIN Connector (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • Circular DIN Standard and Shielded Connectors and Co... (PDF, English) <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 01) • 3D Model (IGES, Version 01) • 3D Model (STEP, Version 01) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Additional Product Images:</p> <ul style="list-style-type: none"> • PCB Layout <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Connector • Connector Type = Header • PCB Mount Retention = With • PCB Mounting Orientation = Right Angle • PCB Mount Alignment = With • Strain Relief = With • PCB Mount Retention Type = Kinked Leg(s) • Termination Method to PC Board = Through Hole - Solder • PCB Mount Alignment Type = Solder Tail Layout • Make First / Break Last = No • UL File Number = E28483 • CSA File Number = LR 3507 • Sealed = No • Shape = Circular • Insulated = No • Shield Material = Brass <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Panel Mount Retention = With • Panel Mount Retention Type = Self Tapping Screw <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 7.5 • Shielded = Yes • Hot Pluggable = No 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Socket • Contact Plating, Termination Area, Material = Tin • Contact Plating, Termination Area, Thickness (μm [μin]) = 2.54 [100] • Contact Design = Tuning Fork • Reverse Gender = No • Contact Base Material = Brass • Contact Plating, Mating Area, Material = Tin • Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54 [100] <p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Receptacle • Mating Alignment = With • Housing Material = Nylon • Housing Color = Black • UL Flammability Rating = UL 94V-0 • Mating Alignment Type = Keyed <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 5 • Custom Configurable = No <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C

- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Termination Features:

- Tail Length (mm [in]) = 3.56 [0.14]
- Tail Orientation = Staggered

Dimensions:

- Length (X-Axis) (mm [in]) = 20.07 [0.790]
- Width (Z-Axis) (mm [in]) = 18.29 [0.720]
- Profile Height (Y-Axis) (mm [in]) = 20.83 [0.824]
- PCB Thickness, Recommended (mm [in]) = 2.36 [0.093]

Body Features:

- Selectively Loaded = Yes
- Mating Retention = Without
- ESD Protection = Without
- Shield Plating = Tin
- Shield Plating Material, Thickness (μm [μin]) = 2.54 [100]
- Shield Underplate Material = Nickel
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- RoHS/ELV Compliance History = Always was RoHS compliant
- VDE Tested = No
- Agency/Standard = UL, CSA
- UL Rating = Recognized

Environmental:

- Operating Temperature ($^{\circ}\text{C}$ [$^{\circ}\text{F}$]) = -55 - +105 [-67 - +221]

Conditions for Usage:

- Applies To = Panel, Printed Circuit Board

Operation/Application:

- Application Use = Wire-to-Board, Wire-to-Panel
- Contact Transmits (Typical Application) = Power, Signal (Data), Signal (Data)/Power
- Pick and Place Cover = Without

Packaging Features:

- Packaging Method = Gang of Tubes

Other:

- Brand = AMP
- Comment = For applications requiring a 3-position connector, use a 5-position connector (contact positions 4 and 5 not used).