

1766308-1 Product Details



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TE Internal Number: 1766308-1

Mini CROWN EDGE High Current Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Board-to-Board, Board-to-Board / Card Edge, Card Edge
- Board-to-Board Configuration = Right Angle
- Connector Style = Receptacle
- Contact Transmits (Typical Application) Power, Contact Transmits (Typical Application) Signal (Data), Contact Transmits (Typical Application) Signal (Data)/Power
- 14/Signal, 14/AC Power, 16/Signal

Documentation & Additional Information

Product Drawings:

SOCKET CONNECTOR ASSEMBLY W/LATCHES MC-P14S30, MINI ... (PDF, English)

Catalog Pages/Data Sheets:

• POWER_CONNECTORS_CATALOG_SEC04_VRM (PDF, English)

Product Specifications:

None Available

Application Specifications:

Instruction Sheets:

CAD Files: (CAD Format & Compression Information)2D Drawing (DXF, Version E)

- 3D Model (IGES, Version E)
- 3D Model (STEP, Version E)

Additional Information:

Product Line Information

Related Products:

Tooling

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

Product Type Features:

- PCB Mount Retention = Without
- Termination Method to PC Board = Through Hole Solder
- PCB Mounting Orientation = Vertical
- PCB Mount Alignment = With
- Make First / Break Last = No
- CSA File Number = 1935071

Mechanical Attachment:

Mating Retention Type = Latching

Electrical Characteristics:

- Contact Rated Current (A) = 25
- Hot Pluggable = No
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Termination Features:

- Tail Length (mm [in]) = 4.5 [0.177]
- Tail Orientation = Staggered

Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.57 3.175 [0.062 - 0.125]
- Length (X-Axis) (mm [in]) = 129.60 [5.100]
- Width (Z-Axis) (mm [in]) = 9.90 [0.390]
- Profile Height (Y-Axis) (mm [in]) = 20.90 [0.823]
- Card Slot Depth (mm [in]) = 6.00 [0.236]

Body Features:

Mating Retention = With

Configuration Features:

- Connector Contact Configuration (No. of Pos./Type) = 14/Signal, 14/AC Power, 16/Signal
- Number of Positions = 44
- Number of Signal Positions = 30
- Number of Power Positions = 14
- Custom Configurable = Yes
- Number of Rows = 2

Industry Standards:

- Agency/Standard = UL, CSA
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard Number = UL 1977
- UL Voltage Rating (VAC) = 250

Environmental:

Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221]

- Conditions for Usage: Board-to-Board Configuration = Right Angle
 - Accepts Card Width (mm [in]) = 120.4 [4.74]
 - Accepts Card Thickness (mm [in]) = 2.36 [0.093]
 - Applies To = Printed Circuit Board

Operation/Application:

- Application Use = Board-to-Board, Board-to-Board / Card Edge, Card Edge
- Contact Transmits (Typical Application) = Power, Signal (Data), Signal (Data)/Power

- Contact Features:

 Contact Plating, Termination Area, Material = Matte Tin
 - Contact Plating, Termination Area, Thickness (μ m [μ in]) = 3.05 [120]
 - Contact Design = Multiple Contact Band/CROWN BAND
 - Contact Type = Socket
 - Contact Base Material = Copper Alloy
 - Contact Plating, Mating Area, Material = Gold
 - Contact Plating, Mating Area, Thickness (μ m [μ in]) = 0.76

Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.50 [0.098]
- Centerline, Power Contacts (mm [in]) = 9.70 [0.381]
- Mating Alignment = With
- Mating Alignment Type = Blindmate, Blindmate/Keyed, Keyed
- Housing Material = Thermoplastic
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

• Pick and Place Cover = Without

Packaging Features:

• Packaging Method = Tray

Other:

• Brand = TE Connectivity







