



## 1-406541-8 Product Details

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1-406541-8

TE Internal Number: 1-406541-8

Active

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### PCB Mounted Jacks - Single Port, Multi-port and Stacked

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector
- Preloaded
- Single Port Configuration
- 1 x 1 Jack Configuration
- Jack Type = RJ45

[View all Features](#)

#### Quick Links

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#### Documentation & Additional Information

##### Product Drawings:

- None Available

##### Catalog Pages/Data Sheets:

- None Available

##### Product Specifications:

- None Available

##### Application Specifications:

- None Available

##### Instruction Sheets:

- None Available

##### CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version M1\)](#)
- [3D Model \(IGES, Version M1\)](#)
- [3D Model \(STEP, Version M1\)](#)

##### Additional Information:

- [Product Line Information](#)

##### Related Products:

- [Tooling](#)

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

##### Product Type Features:

- Product Type = Connector
- Jack Type = RJ45
- PCB Mounting Orientation = Side Entry (Right Angle)
- PCB Mount Style = Through Hole
- Termination Method to PC Board = Solder
- Performance Category = Cat 5
- LED = Without
- Grounding Options = PCB Ground
- Panel Stops = Without
- Keyed = No
- Profile = Standard
- Color = Black
- Shield Material = Copper Alloy

##### Mechanical Attachment:

- Panel Mount Retention = With
- Flanged = No

##### Electrical Characteristics:

- Shielded = Yes

##### Termination Features:

- Solder Tail Contact Plating = Matte Tin over Nickel

##### Dimensions:

- Height (mm [in]) = 13.34 [0.525]
- PCB Tail Length (mm [in]) = 2.54 [0.100]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

##### Body Features:

- Inverted Jack Face = Yes
- Shield Plating = Satin Nickel
- PCB Ground Tab Location (mm [in]) = -3.43 [-0.135]

##### Contact Features:

- Contact Plating, Mating Area, Material = Gold (50)
- Contact Base Material = Phosphor Bronze

##### Housing Features:

- Housing Material = High Temperature Thermoplastic
- UL Flammability Rating = UL 94V-0

##### Configuration Features:

- Preloaded = Yes
- Port Configuration = Single
- Jack Configuration = 1 x 1
- Number of Positions = 8
- Number of Contacts Loaded = 8
- Number of PCB Ground Tabs = 2
- Number of Panel Ground Tabs = 6
- Panel Ground Location = Sides, Top

##### Industry Standards:

- 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
- RoHS/ELV Compliance History = Always was RoHS compliant

##### Packaging Features:

- Packaging Method = Tape & Reel

##### Product Availability:

- Region = Asia, North America

##### Other:

- Brand = AMP
- Comment = Recommended applications: Fast Ethernet, 10Base-T Ethernet, and 10/100 Base-T Ethernet (Cat 5 on two pair 1/2, 3/6).

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