



## 406507-7 Product Details



406507-7

TE Internal Number: 406507-7  
Active

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

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

**Product Highlights:**

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

[View all Features](#)

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### Documentation & Additional Information

**Product Drawings:**

- [INVERTED MODULAR JACK ASSEMBLY, 1X1, SHIELDED, PANEL...](#) (PDF, English)

**Catalog Pages/Data Sheets:**

- None Available

**Product Specifications:**

- [High Performance Modular Plugs & Jacks, PCB Mounted](#) (PDF, English)
- [Eight Position Right Angle Inverted Multiple Port Mo...](#) (PDF, English)

**Application Specifications:**

- [Modular Jacks](#) (PDF, English)
- [Modular Jacks with Integral Light Emitting Diode \(LED\)](#) (PDF, English)

**Instruction Sheets:**

- None Available

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

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

**Additional Information:**

- [Product Line Information](#)

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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 = With
- Grounding Options = Panel Ground and 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 = Tin-Lead 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 = Tin-Lead
- Insulator Material = Polyester
- 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
- Panel Ground Location = Top and Side, Top

**Industry Standards:**

- RoHS/ELV Compliance = ELV compliant, 5 of 6 Compliant
- Lead Free Solder Processes = Wave solder capable to 240°C

**Identification Marking:**

- LED Position 1 Color = Orange/Green
- LED Position 2 Color = Orange/Green
- LED Position 3 Color = None

**Packaging Features:**

- Packaging Method = Tray

**Product Availability:**

- Region = Asia, North America

**Other:**

- Brand = AMP
- Comment = Consult customer drawing for bi-color LED schematics; emitted light color dependent on current polarity; recommended LEDs operate at 20mA.; 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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