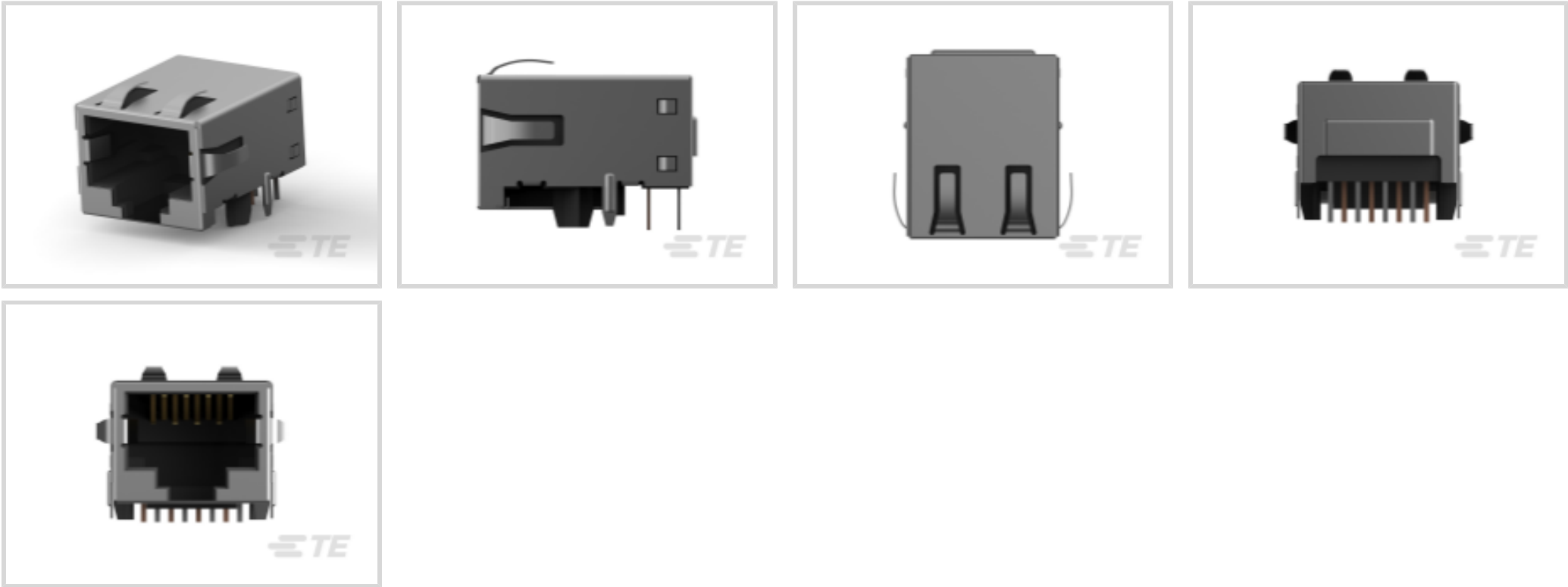




Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**  
Port Configuration: **Single Port**  
Port Matrix Configuration: **1 x 1**  
Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**  
Connector Contact Density: **Standard**

Features

Product Type Features

|                                    |                       |
|------------------------------------|-----------------------|
| Connector Product Type             | Connector Assembly    |
| Modular Jack & Plug Interface Type | RJ45                  |
| Modular Jacks & Plugs Products     | RJ Type Jacks & Plugs |
| Modular Connector Style            | Jack                  |
| Grounding Options                  | PCB Ground            |
| Connector & Contact Terminates To  | Printed Circuit Board |

Configuration Features

|                            |             |
|----------------------------|-------------|
| Number of PCB Ground Tabs  | 2           |
| Port Configuration         | Single Port |
| Port Matrix Configuration  | 1 x 1       |
| Connector Contact Density  | Standard    |
| Number of Positions        | 8           |
| Number of Loaded Positions | 8           |
| PCB Mount Orientation      | Right Angle |

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                                |                       |
|--------------------------------|-----------------------|
| Shield Plating Material        | Tin                   |
| Shield Plating Finish          | Bright                |
| Shield Material                | Brass                 |
| PCB Ground Tab Location        | 4.57 mm[.18 in]       |
| Modular Jack Latch Orientation | Standard - Latch Down |
| Connector Profile              | Standard              |

Contact Features

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Contact Underplating Material                        | Nickel          |
| PCB Contact Termination Area Plating Material Finish | Matte           |
| PCB Contact Termination Area Plating Material        | Tin             |
| Contact Current Rating (Max)                         | .2 A, 1.5 A     |
| Contact Mating Area Plating Material                 | Gold (Au)       |
| Contact Base Material                                | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness       | 1.27 μm[50 μin] |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Method to PCB      | Through Hole - Solder |
| Termination Post & Tail Length | 3.48 mm[.137 in]      |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Panel Mount Feature     | Without     |
| Connector Mounting Type | Panel Mount |

Housing Features

|                       |                        |
|-----------------------|------------------------|
| Mating Entry Location | Side                   |
| Centerline (Pitch)    | 1.02 mm[.04 in]        |
| Housing Color         | Black                  |
| Housing Material      | High Temperature Nylon |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 9.58 mm[.376 in] |
|------------------|------------------|

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                |              |
|----------------|--------------|
| Indicator Type | No Indicator |
| Shielded       | Yes          |



|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| Performance Category   | Cat 5    |

Packaging Features

|                    |                 |
|--------------------|-----------------|
| Packaging Quantity | 396             |
| Packaging Method   | Box, Box & Tray |

Product Compliance

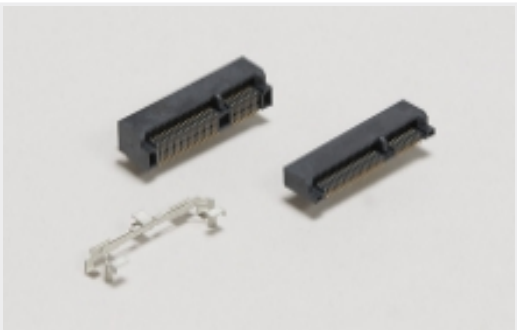
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                 |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                   |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Also in the Series | OEG Miniature Relay PCF



Mini PCI Express & mSATA(1)



PCB D-Sub Connectors(1)



RJ14 Connectors(1)



RJ22 Connectors(1)



RJ25 Connectors(7)

Customers Also Bought



TE Part #1879125-3  
RN 0402 51R1 0.1% 10PPM 5K RL



TE Part #62527-1  
MAG-MATE TERM 31-32 010 TPBR



TE Part #1-1571983-0  
GDH08S04=DIP SWITCH

Documents

Product Drawings

MJ,10MM,8P,SHLD,NOPNL TABS,SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1888543-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1888543-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1888543-2\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



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[Product Specifications](#)

[Application Specification](#)

English