



Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45 with Integrated Magnetics**

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

| | |
|------------------------------------|--------------------------------|
| Modular Jack & Plug Interface Type | RJ45 with Integrated Magnetics |
| 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 |

Signal Characteristics

| | |
|-----------|-----------|
| Data Rate | 1000 Mb/s |
|-----------|-----------|



Body Features

| | |
|--------------------------------|-----------------------|
| LED Color (Top Left) | None |
| PCB Retention Feature Material | LCP |
| LED Color (Bottom Left) | Green |
| LED Color (Top Right) | None |
| Insulator Material | LCP |
| Shield Plating Finish | Matte |
| LED Color (Bottom Right) | Yellow |
| PCB Ground Tab Location | 3.05 mm[.12 in] |
| Shield Plating Material | Nickel |
| Shield Material | Brass |
| Modular Jack Latch Orientation | Standard - Latch Down |
| Connector Profile | Standard |

Contact Features

| | |
|--|----------------|
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Gold |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|--------------------------|-----------|
| PCB Mount Retention Type | Boardlock |
|--------------------------|-----------|

Housing Features

| | |
|-----------------------|------------------------------|
| Mating Entry Location | Side |
| Housing Color | Black |
| Housing Material | LCP (Liquid Crystal Polymer) |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 13.65 mm[.537 in] |
|------------------|-------------------|

Usage Conditions

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



Operation/Application

| | |
|----------------|-----|
| Indicator Type | LED |
| Shielded | Yes |

Industry Standards

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 80 |
| Packaging Method | Reel |

Other

| | |
|--------------------------|----------------------------------|
| Shield Panel Ground Type | Shield has bottom panel grounds. |
|--------------------------|----------------------------------|

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Reflow solder capable to 260°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 | Industrial RJ45 Mag Jack

RJ45 Connectors(101)

Customers Also Bought

TE Part # 1376135-2
DYNAMIC D2100 HDR H ASSY 3P Y

TE Part # 2-292252-4
CT 2mm Dbl Row Assembly w/Boss:
Vert.

TE Part # 1-1879453-7
TE 1000W 22R 5% Bracket

TE Part # 5145154-4
STANDARD EDGE .050 SERIES 60
DUAL ASSY

TE Part # 3-2176330-7
CRGP 2010 10K 1%

TE Part # 1757823-5
AMPLIMITE,ASY,PLUG,STD,90,ZN,5

TE Part # 1757824-4
AMPLIMITE,ASY,RCPT,STD,90,ZN,4

TE Part # 204508-1
RECEPT ASSY,78 POSN,AMPLIMITE

TE Part # 1757823-4
AMPLIMITE,ASY,PLUG,STD,90,ZN,4

Documents

Product Drawings
RJ45 JACK MAG. POE 1GB LED 1X1

English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_2337992-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2337992-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2337992-8_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ETHERNET JACKS WITH INTEGRATED MAGNETICS AND PoE](#)

English

Product Specifications

[Application Specification](#)

English