

Industrial RJ45 Mag Jack

TE Internal #: 2337992-8

RJ45 Connectors, RJ45 with Integrated Magnetics, Single Port, 1 x

1, RJ Type Jacks & Plugs, Industrial RJ45 Mag Jack

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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

| Status Indicator Type | LED |
|----------------------------|-------------|
| 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] |
| | |



| Operating Temperature Range | -40 - 85 °C[-40 - 185 °F] |
|-----------------------------|----------------------------------|
| Operation/Application | |
| 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

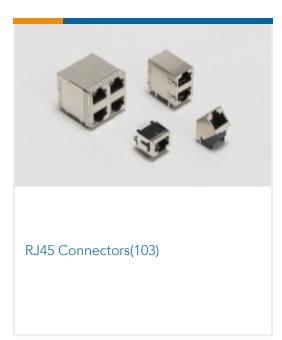
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Compatible Parts



Also in the Series | Industrial RJ45 Mag Jack



Customers Also Bought





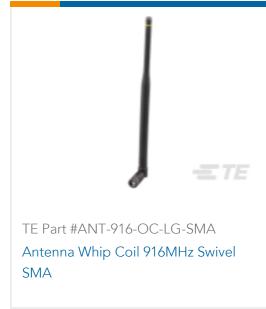












Documents

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

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

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