# 2488960-3 ✔ ACTIVE

TE Internal #: 2488960-3

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Inverted - Latch Up, 8 Position, Standard Profile

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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

| | |
|---|---|
| Ground Feature Type | Ground Return Shielding |
| Connector Product Type | Connector Assembly |
| Modular Jack & Plug Interface Type | RJ45 with Integrated Magnetics |
| Modular Jacks & Plugs Products | RJ Type Jacks & Plugs |
| Modular Connector Style | Jack |
| Grounding Options | PCB and Panel Ground |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of PCB Ground Tabs | 2 |
| Panel Ground Location | Top and Side |
| Number of Panel Ground Tabs | 6 |
| 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 | .01 Gb/s, .1 Gb/s |

## Body Features

| | |
|---|---|
| Insulator Material | Liquid Crystal Polymer (LCP) |
| Grounding Tab Plating Material | Tin |
| Shield Plating Material | Nickel |
| Shield Plating Finish | Matte |
| Shield Material | Brass |
| PCB Retention Feature Material | Liquid Crystal Polymer (LCP) |
| LED Color (Top Right) | Yellow |
| LED Color (Top Left) | Green |
| PCB Ground Tab Location | 3.05 mm[.12 in] |
| Modular Jack Latch Orientation | Inverted - Latch Up |
| 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) | .1 A |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin] |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.2 mm[.126 in] |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | With |
| Panel Mount Feature Type | Mounting Hole |
| PCB Mount Retention Type | Locating Post |
| Connector Mounting Type | Panel Mount & Board Mount |

## Housing Features

| | |
|---|---|
| Mating Entry Location | Side |
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Color | Black |
| Housing Material | Liquid Crystal Polymer (LCP) |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 2 mm[.079 in] |
| Connector Height | 13.6 mm[.535 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Indicator Type | LED |
| Shielded | Yes |
| Circuit Application | Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 800 |
| Packaging Method | Tray/Box |

# Product Compliance

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

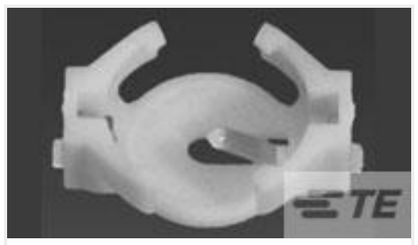
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (16.07% in Component Part)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |

| | |
|---|---|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Customers Also Bought



TE Part #1376164-1
BATTERY HOLDER ML621 ASSY



TE Part #1565917-4
EMBOSS ASSY DDR2 SODIMM SOCKET 200P 5.2H



TE Part #2489115-2
RJ45 MGNT 1X1 1G NON POE LED PLTG T 30

## Documents

### Product Drawings

RJ45 W/MGNT 1X1 100BASE-T LED PLTNG T 15

English

### CAD Files

Customer View Model

ENG_CVM_CVM_2488960-3_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2488960-3_1.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2488960-3_1.3d_igs.zip

English

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

## Datasheets & Catalog Pages

### dnd-fly-magnetic-mod-jacks-en

English

## Product Specifications

### Application Specification

English