

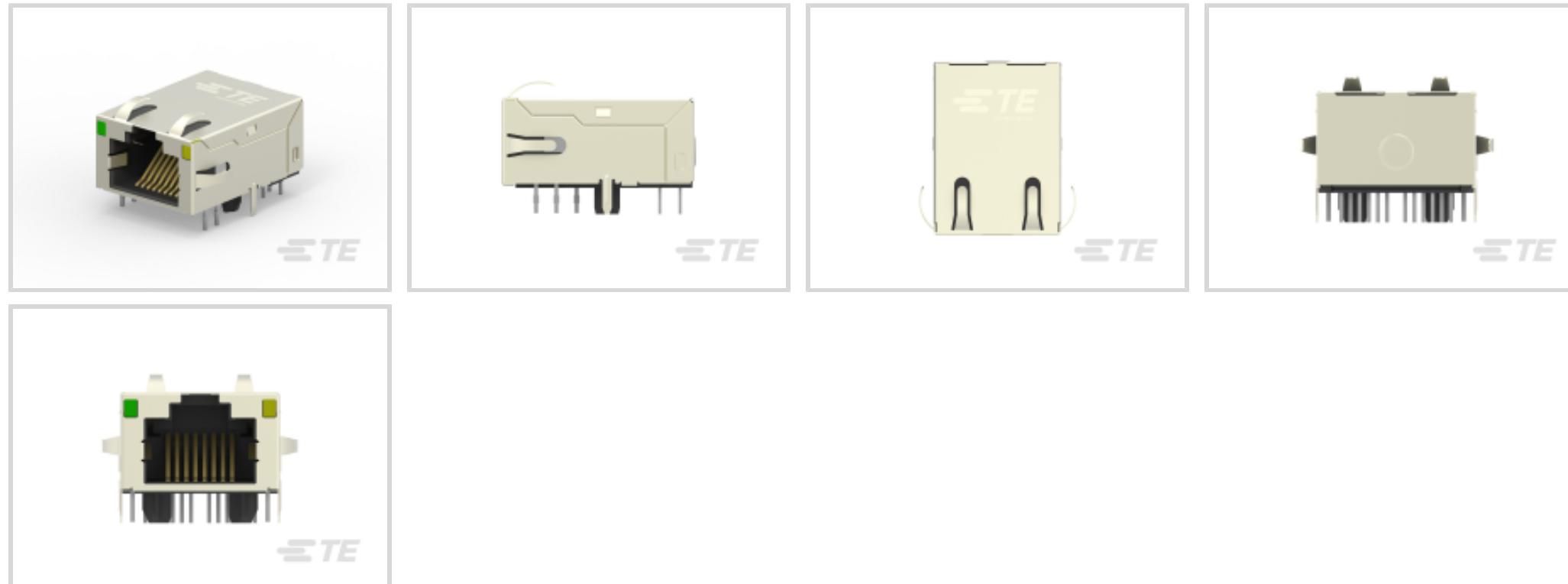
**Industrial RJ45 Mag Jack**

TE Internal #: 6-2301994-1

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1,  
Standard Connector Contact Density, Jack, Shielded, Cat 5e,  
Industrial RJ45 Mag Jack

[View on TE.com >](#)

Connectors &gt; Modular Jacks &amp; Plugs &gt; 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 and Panel Ground
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Panel Ground Location	Top and Side
Number of Panel Ground Tabs	4
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)

Green/Orange

## PCB Retention Feature Material

LCP

## LED Color (Top Right)

Yellow

## Insulator Material

LCP

## Shield Plating Finish

Matte

## PCB Ground Tab Location

0 mm[0 in]

## LED Color (Bottom Left)

None

## LED Color (Bottom Right)

None

## Shield Plating Material

Nickel

## Shield Material

Brass

## Modular Jack Latch Orientation

Inverted - Latch Up

## Connector Profile

Low

## 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

11.3 mm[.444 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

50

Packaging Method

Tray

**Other**

Shield Panel Ground Type

Shield has bottom panel grounds.

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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>

## Compatible Parts



TE Part # 1987236-1  
RJ45 CONNECTOR IP20 45 DEG.,  
INDUSTRIAL

## Also in the Series | Industrial RJ45 Mag Jack



RJ45 Connectors(101)

## Customers Also Bought



TE Part # 8-1415053-1  
SR4M4012



TE Part # 1804294001  
LSTT-3.2-0-SP



TE Part # 2-644487-3  
03P MTA100 SHRD HDR ASSY 30AU



TE Part # 2-2176070-6  
3521 110R 1% 2W



TE Part # 2-2176051-7  
RLP73K 1J R62 1% 1K RL



TE Part # 1-1623720-9  
CCR2 3R3 10%



TE Part # 2292055-1  
RECEPTACLE ASSY RA 50 POSN MBC



TE Part # 825440-3  
MOD 2 PINHDR 2X03P.



## Documents

### Product Drawings

#### RJ45 JACK INT.MAG. 1GB LED 1X1 INV (LOW)

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-2301994-1\\_A1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-2301994-1\\_A1.3d\\_stp.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_6-2301994-1\\_A1.3d\\_igs.zip](#)

English

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

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### Datasheets & Catalog Pages

#### [1-1773921-5\\_RJ45\\_Integrated\\_Magnetics\\_0617](#)

English

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### Product Specifications

#### [Application Specification](#)

English