

2-2301994-4 ✓ ACTIVE

## Industrial RJ45 Mag Jack

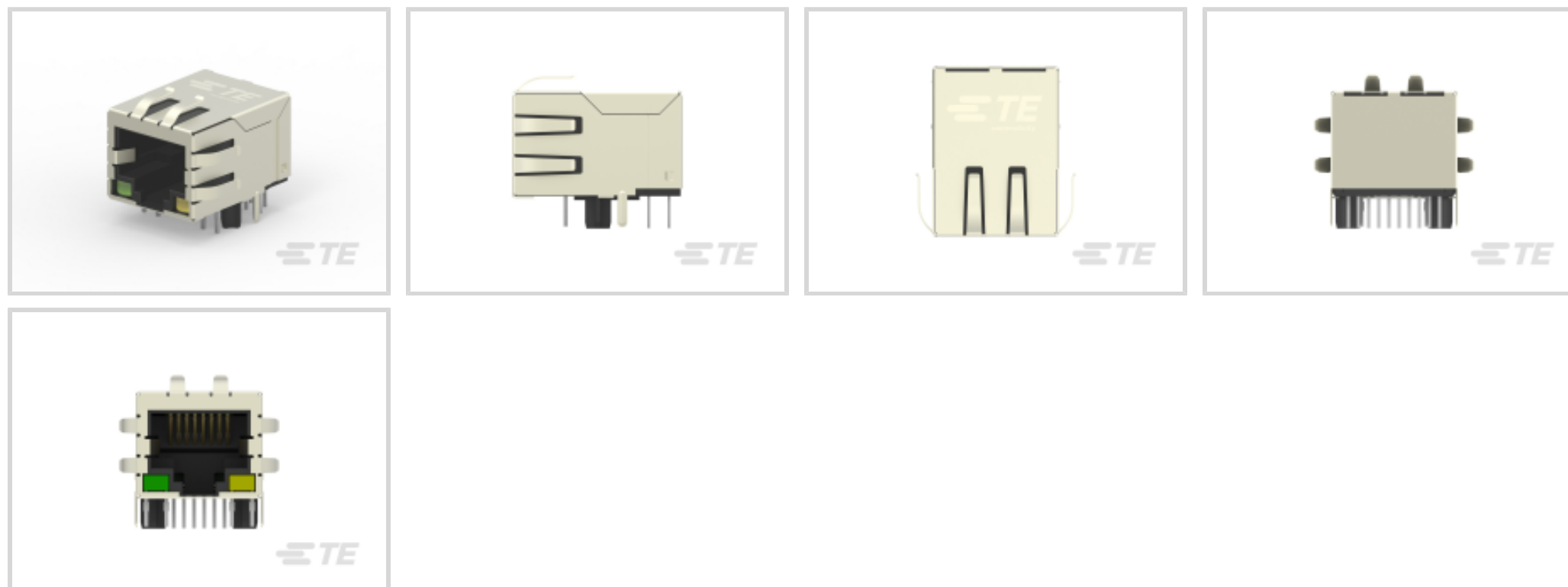
TE Internal #: 2-2301994-4

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1,  
Standard Connector Contact Density, Jack, Shielded, Cat 5e,  
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 and Panel Ground
Connector & Contact Terminates To	Printed Circuit Board

#### Configuration Features

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
Number of PCB Ground Tabs	2
Panel Ground Location	Top and Side



Number of Panel Ground Tabs	6
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### Operation/Application

Shielded	Yes
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Indicator Type	LED
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### Industry Standards

Performance Category	Cat 5e
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UL Flammability Rating	UL 94V-0
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### Body Features

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

Termination Method to PCB	Through Hole - Solder
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### Housing Features

Mating Entry Location	Side
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Housing Color	Black
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Housing Material	LCP (Liquid Crystal Polymer)
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### Contact Features

Contact Mating Area Plating Material	Gold
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Contact Base Material	Copper Alloy
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Contact Mating Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material Tin

**Dimensions**

Connector Height 13.63 mm[.537 in]

**Packaging Features**

Packaging Method Reel

Packaging Quantity 80

**Usage Conditions**

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

**Other**

EU RoHS Compliance Compliant

EU ELV Compliance Compliant

Shield Panel Ground Type Shield has bottom panel grounds.

**Signal Characteristics**

Data Rate 1000 Mb/s

**Mechanical Attachment**

PCB Mount Retention Type Boardlock

**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 2024 (241)  
 Candidate List Declared Against: JUNE 2024 (241)  
 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

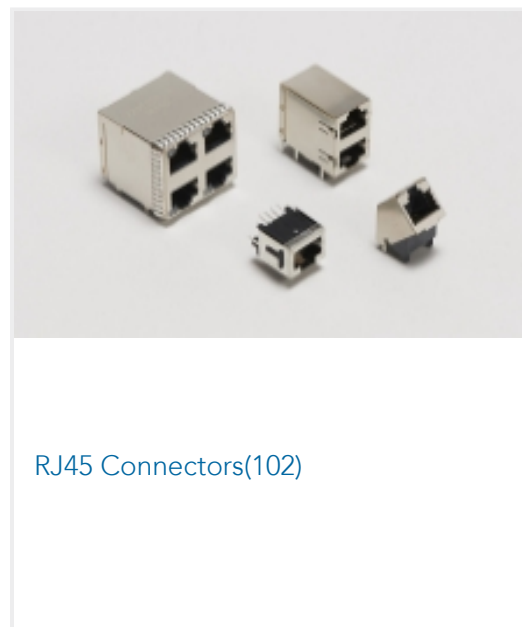


limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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

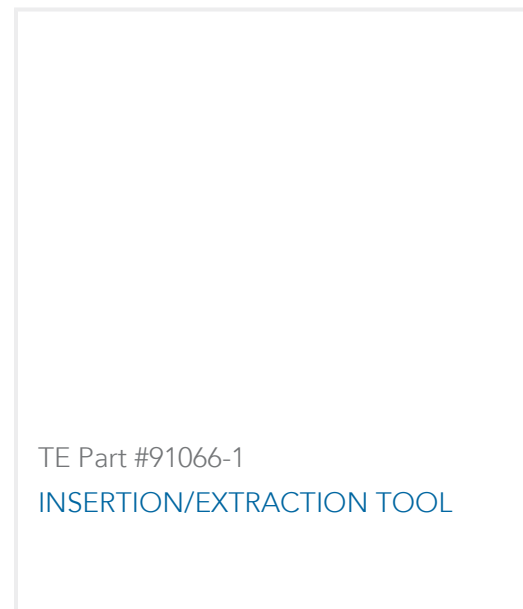


## Also in the Series | Industrial RJ45 Mag Jack



## Customers Also Bought





## Documents

### Product Drawings

[RJ45 JACK INT.MAG. 1GB LED 1X1](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2301994-4\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2301994-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2301994-4\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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

English

### Product Specifications

[Application Specification](#)

English