



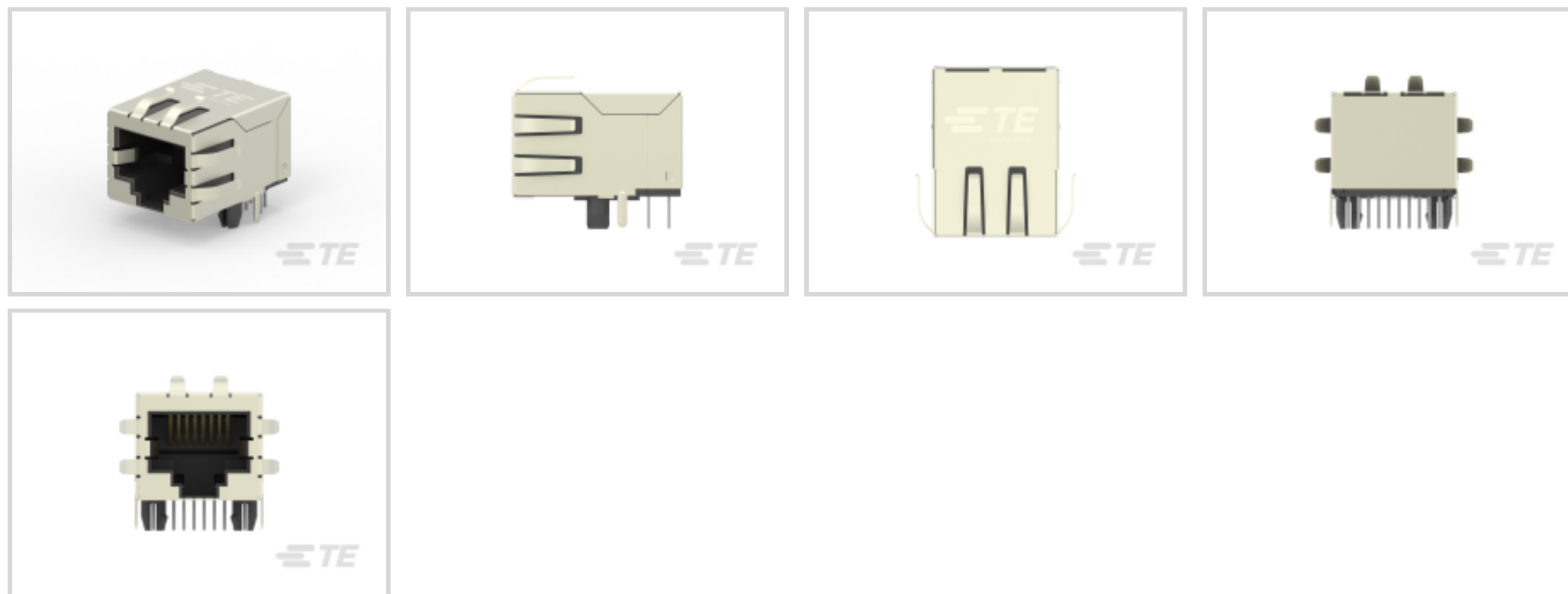
**Industrial RJ45 Mag Jack**

TE Internal #: 2301994-6

RJ45 Connectors, RJ45 with Integrated Magnetics, Single Port, 1 x 1, RJ Type Jacks & Plugs, Industrial RJ45 Mag Jack

[View on TE.com >](#)

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**

Panel Ground Location	Top and Side
Number of Panel Ground Tabs	6
Number of PCB Ground Tabs	2
Status Indicator Type	None
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
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### Signal Characteristics

Data Rate	1000 Mb/s
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### Body Features

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

PCB Contact Termination Area Plating Material Finish	Matte
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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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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### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

PCB Mount Retention Type	Boardlock
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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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### Dimensions



Connector Height	16.63 mm[.537 in]
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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### Operation/Application

Shielded	Yes
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### Industry Standards

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

Packaging Quantity	80
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Packaging Method	Reel
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### Other

Shield Panel Ground Type	Shield has bottom panel grounds.
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Reflow solder capable to 260°C
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#### 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



## Documents

### Product Drawings

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

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2301994-6\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2301994-6\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2301994-6\\_B.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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



English

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[Product Specifications](#)

[Application Specification](#)

English