

### Industrial RJ45 Mag Jack

TE Internal #: 2337993-2

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Standard - Latch Down, 8 Position, 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 Ground
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of PCB Ground Tabs	2
Number of Panel Ground Tabs	0
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	Vertical



## Signal Characteristics

Data Rate	10 Mb/s, 100 Mb/s
Body Features	
LED Color (Bottom Left)	Green
Insulator Material	LCP
LED Color (Bottom Right)	Yellow
Shield Plating Material	Nickel
Shield Plating Finish	Matte
Shield Material	Brass
PCB Retention Feature Material	LCP
LED Color (Top Right)	None
LED Color (Top Left)	None
PCB Ground Tab Location	3.89 mm[.153 in]
Modular Jack Latch Orientation	Standard - Latch Down
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 Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Termination Features	
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
PCB Mount Retention Type	Boardlock
Housing Features	
Mating Entry Location	Тор
Housing Color	Black
Housing Material	LCP
Dimensions	
Connector Height	16.9 mm[.665 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 5
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	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

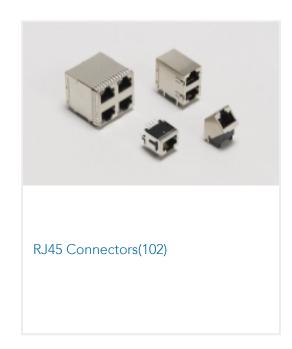


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts



# Also in the Series | Industrial RJ45 Mag Jack

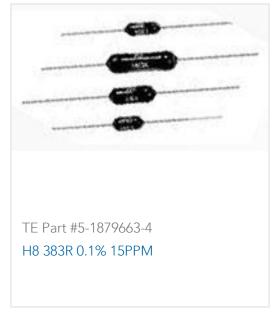


# Customers Also Bought

















### **Documents**

### **Product Drawings**



#### RJ45 JACK MAG. POE 10/100 LED 1X1 VERT.

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2337993-2\_A1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2337993-2\_A1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2337993-2\_A1.3d\_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