



Industrial RJ45 Mag Jack

TE Internal #: 2301997-7

Industrial RJ45 Mag Jack, RJ45 Connectors, RJ45 with Integrated Magnetics, Multiple Ports, Port Matrix Configuration 2 x 1, RJ Type Jacks & Plugs

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Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45 with Integrated Magnetics**

Port Configuration: **Multiple Ports**

Port Matrix Configuration: **2 x 1**

Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**

Connector Contact Density: **Standard**

Features

Product Type Features

Connectors & Connector Components Type	Connector
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
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Panel Ground Tabs	0
Number of PCB Ground Tabs	4
Port Configuration	Multiple Ports
Port Matrix Configuration	2 x 1
Connector Contact Density	Standard
Multiple Port Configuration	Stacked



Status Indicator Type	LED
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1000 Mb/s
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Body Features

Insulator Material	LCP
Shield Plating Finish	Matte
PCB Ground Tab Location	-4.57 mm, 11.43 mm, 15.49 mm[-.18 in][.45 in][.61 in]
LED Lightpipe Color	Clear
LED Lightpipe Material	High Temperature Thermoplastic
Shield Plating Material	Nickel
Shield Material	Brass
Modular Jack Latch Orientation	Inverted (Top) / Standard (Bottom)
Connector Profile	Standard
LED Color (Bottom Left)	Green/Orange
LED Color (Bottom Right)	Green
LED Color (Top Left)	Green/Orange
LED Color (Top Right)	Green

Contact Features

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

Termination Features

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

Boardlock Material	LCP
PCB Mount Retention Type	Boardlock



Housing Features

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

Dimensions

Connector Height	25.79 mm[1.015 in]
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Usage Conditions

Housing Material Temperature	260
Operating Temperature Range	-40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-40 – 185 °F]

Operation/Application

Shielded	Yes
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Industry Standards

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

Packaging Features

Packaging Quantity	40
Packaging Method	Tray

Other

Additional Features	Dust Cover
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	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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR

/CFR/PVC Free

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 2X1](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2301997-7_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2301997-7_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2301997-7_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773902-9_CPC_Catalog](#)

English

[1-1773921-5_RJ45_Integrated_Magnetics_0617](#)

English

Product Specifications

[Application Specification](#)

English