2301994-3 ✔ ACTIVE

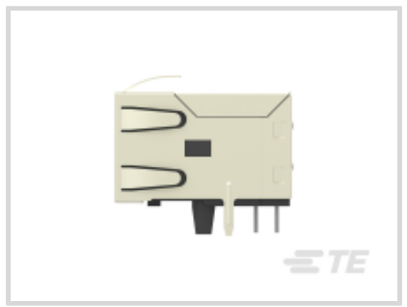
Industrial RJ45 Mag Jack

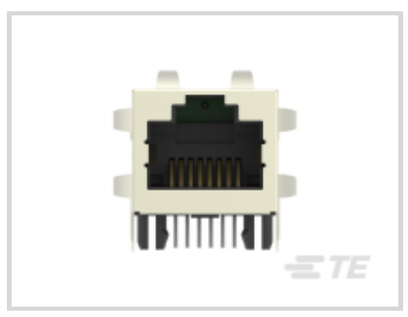
TE Internal #: 2301994-3

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

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

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 and Panel Ground
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Panel Ground Location	Top and Side
Number of PCB Ground Tabs	2
Number of Panel Ground Tabs	6
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard

Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	10 Mb/s, 100 Mb/s

Body Features

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

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 µm[30 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

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	13.8 mm[.543 in]

Usage Conditions

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

Operation/Application

Shielded	Yes

Industry Standards

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

Packaging Features

Packaging Reel Diameter	33 cm
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	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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



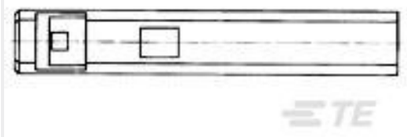
TE Part # 1987236-1
RJ45 CONNECTOR IP20 45 DEG., INDUSTRIAL

Also in the Series | Industrial RJ45 Mag Jack



RJ45 Connectors(105)

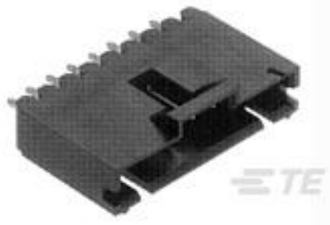
Customers Also Bought



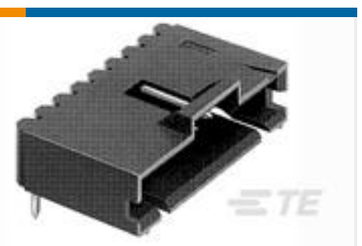
TE Part #926657-3
3P LOCKG CLIP GEH



TE Part #1624117-3
BMB-L 0805 60R



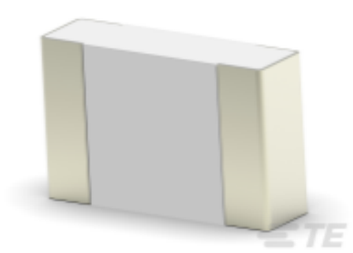
TE Part #103638-5
06 MTE HDR SRST LATCH .100CL



TE Part #103906-2
03 MTE HDR SRRA LATCH .100CL



TE Part #146131-4
10 MODII HDR DRST SFMNT B/A



TE Part #1-2176244-7
CRGS0805 5% 22R



TE Part #1879216-3
CPF 0402 52K3 0.1% 25PPM 1K RL



TE Part #102976-8
08 MODII HDR SRST B/A .100CL



TE Part #1775073-1
SHIELD FINGER 434025N7



TE Part #1-1879021-9
SMW3 R56 5%

Documents

Product Drawings

RJ45 JACK INT.MAG. 10/100 1X1 INV.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2301994-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2301994-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2301994-3_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

Product Specifications

Application Specification

English