2301996-4 ✔ ACTIVE

Industrial RJ45 Mag Jack

TE Internal #: 2301996-4

Industrial RJ45 Mag Jack, RJ45 Connectors, RJ45 with Integrated Magnetics, Multiple Ports, Port Matrix Configuration 1 x 2, 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: **1 x 2**

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	7
Port Configuration	Multiple Ports
Port Matrix Configuration	1 x 2
Connector Contact Density	Standard

Multiple Port Configuration	Ganged
Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1000 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	Standard - Latch Down
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	13.5 mm[.531 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 5e

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

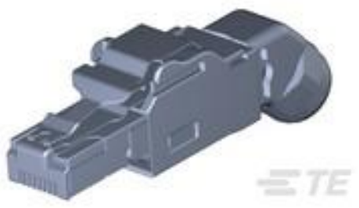
For compliance documentation, visit the product page on TE.com>

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	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



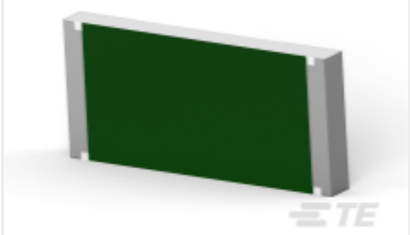
TE Part # 1987236-1
RJ45 CONNECTOR IP20 45 DEG., INDUSTRIAL

Also in the Series | Industrial RJ45 Mag Jack



RJ45 Connectors(105)

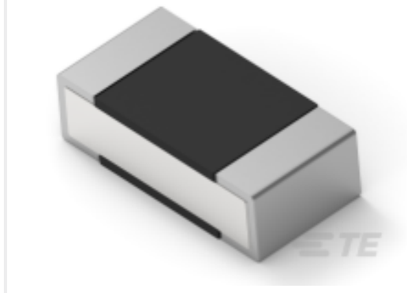
Customers Also Bought



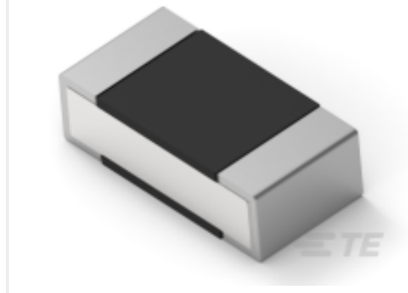
TE Part #2-2176403-8
3550 13R 1%



TE Part #5-2176429-6
MPT100 120R 1%



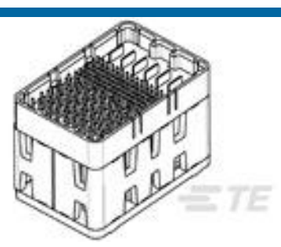
TE Part #6-2176312-2
RP 1E 0.1W 53K6 0.1% 25PPM 1K RL



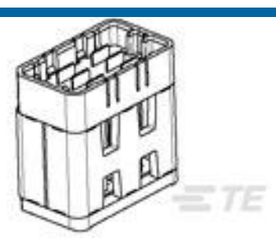
TE Part #6-2176312-5
RP 1E 0.1W 57K6 0.1% 25PPM 1K RL



TE Part #YDTS26W13-35PDV001
D38999: Straight Plug, 13-35 Insert



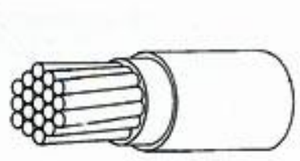
TE Part #7-2110900-5
STRADA MESA,HD,ST,032,084,06,SN,N,25



TE Part #7-2149520-5
STRADA MESA,HD,HF,000,000,06,SN,N,25



TE Part #7-2213772-1
AV22 DPL 5A MOVE RING LED YELLOW 24V



TE Part #218063-000
55A0811-22-1



TE Part #2061933-1
FULLPOWER MINI FIELD INSTALL ASSEMBLY

Documents

Product Drawings

RJ45 JACK INT.MAG. 1GB 1X2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2301996-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2301996-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2301996-4_A.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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English