6-2301994-1 ✔ ACTIVE

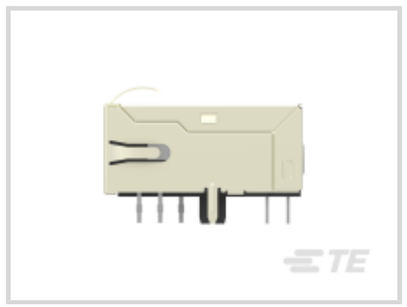
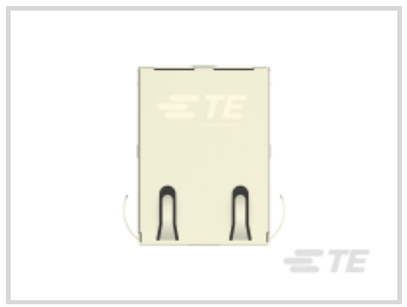
Industrial RJ45 Mag Jack

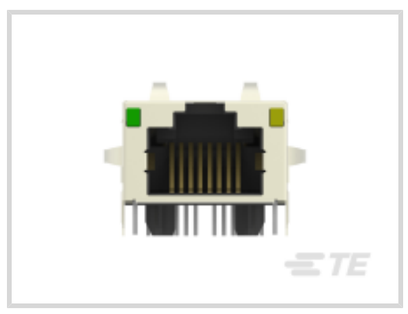
TE Internal #: 6-2301994-1

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5e, Inverted - Latch Up, 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 and Panel Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Ground Tabs	2
Panel Ground Location	Top and Side
Number of Panel Ground Tabs	4
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

Signal Characteristics

Data Rate	1 Gb/s

Body Features

LED Color (Bottom Left)	None
Insulator Material	LCP
LED Color (Bottom Right)	None
Shield Plating Material	Nickel
Shield Plating Finish	Matte
Shield Material	Brass
PCB Retention Feature Material	LCP
LED Color (Top Right)	Yellow
LED Color (Top Left)	Green/Orange
PCB Ground Tab Location	0 mm[0 in]
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Low

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
Termination Post & Tail Length	1.7 mm[.067 in]

Mechanical Attachment

PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount, Panel Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	2.54 mm[.05 in]

Housing Color	Black
Housing Material	LCP

Dimensions

Connector Height	11.3 mm[.444 in]

Usage Conditions

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

Operation/Application

Indicator Type	LED
Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	50
Packaging Method	Tray

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

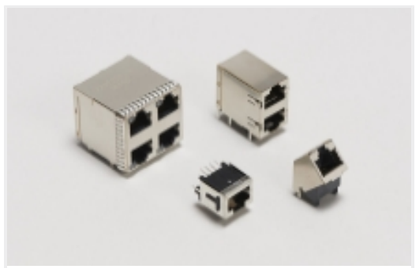
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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(98)

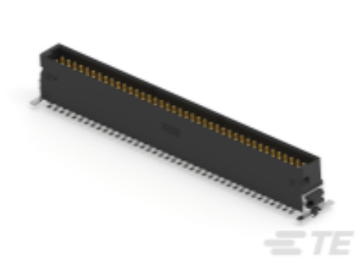
Customers Also Bought



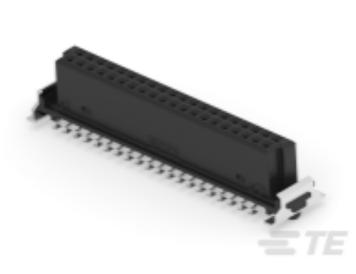
TE Part #474127-E
SRCP 1,27 4 M 1-KS SMD 137 E1 094 * GU-H



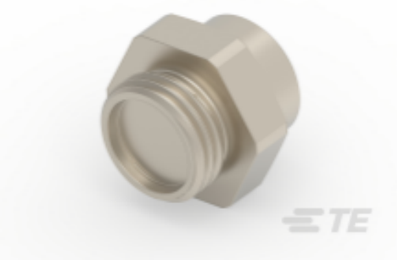
TE Part #244855-E
SMCQ 26 M AB VV 8-03 CL * H007 137 E005



TE Part #244858-E
SMCQ 80 M AB VV 8-03 CL * H007 137 E005



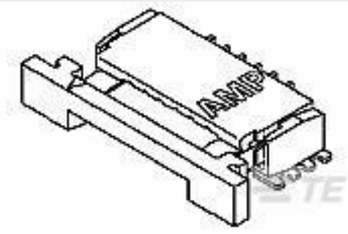
TE Part #204632-E
SMCB 40 F AB VV 7-13 CL * H007 137 E002



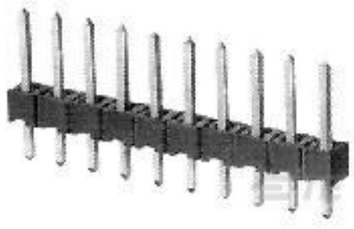
TE Part #254154-E
M8 METAL SHELL, FEMALE, VERT, 9MM



TE Part #484599-E
M8 FEMALE, A CODE, 3P, 16.25MM SMT



TE Part #2-84952-7
1MM FPC HORZ.BOTTOM CONT. ASSY 27P



TE Part #3-825433-2
MOD 2 PINHDR 1X32P.



TE Part #4-1625885-0
1W SM M/OX 5% 1R5

TE Part #394574-E
SRCA 1,27 6 M 1 SMD 137 E1 105 * GURT *

Documents

Product Drawings

RJ45 JACK INT.MAG. 1GB LED 1X1 INV (LOW)

English

CAD Files

Customer View Model

ENG_CVM_CVM_6-2301994-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-2301994-1_A1.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2301994-1_A1.3d_igs.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

Agency Approvals

UL

English