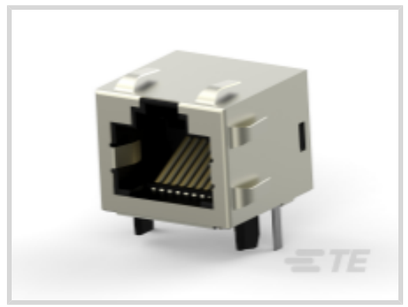
1-406541-6 ✔ ACTIVE

TE Internal #: 1-406541-6

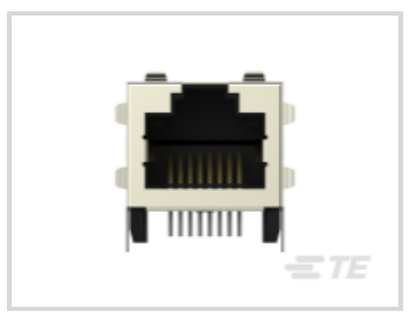
RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Inverted - Latch Up, 8 Position, Standard Profile, Through Hole - Solder, Right Angle

View on TE.com >

Connectors > Modular Jacks & Plugs > RJ45 Connectors







Modular Jack & Plug Interface Type: **RJ45**

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

Connector Product Type	Connector Assembly
Modular Jack & Plug Interface Type	RJ45
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, Top and Side
Number of Panel Ground Tabs	6
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

Body Features

Shield Plating Material	Nickel
Shield Plating Finish	Satin
Shield Material	Copper Alloy
PCB Ground Tab Location	-3.43 mm[-.135 in]
Modular Jack Latch Orientation	Inverted - Latch Up
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 Current Rating (Max)	.2 A, 1.5 A
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.36 µm[15 µin]

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.02 mm[.04 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.34 mm[.525 in]

Usage Conditions

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

Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	441
Packaging Method	Box & Tray, Tray

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: 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	Wave solder capable to 265°C

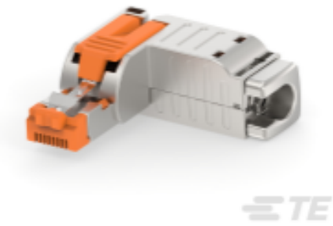
Product Compliance Disclaimer

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 # 2383216-2
RJ45 FIELD INSTALLABLE CABLE CONN.



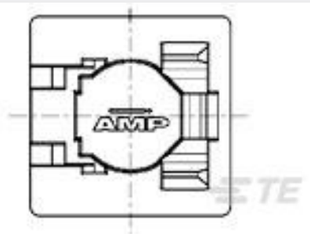
TE Part # 2383217-3
RJ45 FIELD INSTALLABLE CABLE CONN. 90



TE Part # 2383217-2
RJ45 FIELD INSTALLABLE CABLE CONN. 90



TE Part # 1SET316007R0000
RJ45 FIELD INSTALL CABLE CONN. - 1PC



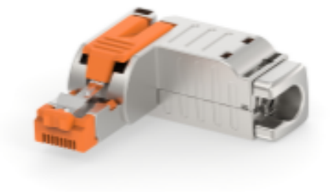
TE Part # 188729-1
8P.COVER/SOLD.STOP



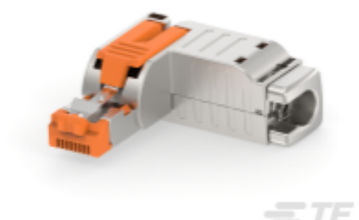
TE Part # 2383216-1
RJ45 FIELD INSTALLABLE CABLE CONN.



TE Part # 1SET316008R0000
RJ45 FIELD INSTALL CABLE CONN.- 10PC



TE Part # 1SET316012R0000
RJ45 FIELD INSTALL CABLE CONN. 90 - 50PC



TE Part # 1SET316010R0000
RJ45 FIELD INSTALL CABLE CONN. 90 - 1PC



TE Part # 1SET316009R0000
RJ45 FIELD INSTALL CABLE CONN.- 50PC



TE Part # 1SET316011R0000
RJ45 FIELD INSTALL CABLE CONN. 90 - 10PC



TE Part # 2383216-3
RJ45 FIELD INSTALLABLE CABLE CONN.



TE Part # 2383217-1
RJ45 FIELD INSTALLABLE CABLE CONN. 90

Customers Also Bought



TE Part #4-641215-2
12P MTA100 HDR ASSY FL/ST 30AU



TE Part #3-794681-2
02P MICRO MNL ASSY,VRT,THRU,LF



TE Part #1623746-6
ER74 150R 5% AMMO PK



TE Part #1676143-1
RN 0805 100R 0.1% 10PPM CUT LENGTH



TE Part #5-1879208-9
CPF 0402 2K7 0.1% 25PPM 1K RL



TE Part #1-1879213-8
CPF 0402 39R2 0.1% 25PPM 1K RL



TE Part #8-1879214-1
CPF 0402 2K55 0.1% 25PPM 1K RL



TE Part #5-1879215-1
CPF 0402 14K7 0.1% 25PPM 1K RL

TE Part #2820350-2
C/A, INTERNAL HD MINI SAS, 100 OHM, STR

TE Part #2-2354329-1
CAGE ASSY, QSFP28, 1X2,ZIP HSK, LP

Documents

Product Drawings

MJ,INV,1X1,6PNL G,.140"ST,SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-406541-6_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-406541-6_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-406541-6_L.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English