



TE Internal #: 1-406507-4

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

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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

Packaging Features

Packaging Quantity	441
Packaging Method	Tray, Box & Tray

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.35 mm[.525 in]

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Board Mount

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A, .2 A
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze



Contact Mating Area Plating Material Thickness

1.27 μm[50 μin]

Body Features

Insulator Material	Polyester
Shield Plating Material	Tin
Shield Material	Copper Zinc Alloy
LED Color (Top Right)	Yellow
LED Color (Top Left)	Green
PCB Ground Tab Location	-3.43 mm[-.135 in]
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard

Industry Standards

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

Operation/Application

Indicator Type	LED
Shielded	Yes
Circuit Application	Signal

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

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

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.54 mm[.1 in]

Housing Features

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

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 188729-1
8P.COVER/SOLD.STOP

Customers Also Bought

TE Part #5-104078-2
40 SYSTEM 50 RCPT ASSY DRST SN

TE Part #3-1419108-5
RTD34012

TE Part #61137-1
.093 PCB PIN .0126 PTP PH/BZ

TE Part #6-1879207-0
RN 0603 412K 0.1% 10PPM 5K RL

TE Part #2299940-6
ZQSFP+ STACKED REC ASSEMBLY 2X1,HS

TE Part #6-1617831-5
TD229C-1803SX=TDJR 180 SEC

TE Part #1483356-1
MICRO-MATCH LEAD 16P 100MM

TE Part #4-1393225-9
RY900045 (RY531012)

TE Part #7-1956150-2
RY900132R (RY211024R)

TE Part #6-1393236-3

Documents

Product Drawings
IMJ,1X1,P GRD,INSLT,LED(Y/G)SN



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-406507-4_M1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-406507-4_M1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-406507-4_M1.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_1-406507-4_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-406507-4_H.3d_igs.zip

English

Customer View Model

ENG_CVM_1-406507-4_H.3d_stp.zip

English

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Product Specifications

Application Specification

English