



Industrial RJ45 IP20

TE Internal #: 1827585-1  
RJ45 Connector, Single Port, 1 x 1, Standard Connector Contact Density, Jack, Shielded, Cat 5e, Inverted - Latch Up, 8 Position, Industrial RJ45 IP20

[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

Panel Ground Location	Top and Side, Top
Number of PCB 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
Body Features	
LED Color (Top Left)	Clear
LED Color (Top Right)	Clear
Shield Plating Material	Tin over Nickel
Shield Material	Phosphor Bronze
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard
Contact Features	
PCB Contact Termination Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Termination Features	
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3 mm[.118 in]
Mechanical Attachment	
Panel Mount Feature	With
Connector Mounting Type	Board 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)	1.6 mm[.063 in]
Connector Height	13.44 mm[.529 in]
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]



Operation/Application

Indicator Type	Not Illuminated
Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

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 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 # 2120892-1  
RJ45 CONNECTOR CAT6A, IP20 PLUG

Also in the Series | Industrial RJ45 IP20



Connector Hardware(1)



PCB D-Sub Connectors(1)



RJ45 Connectors(8)

Customers Also Bought



TE Part #640384-2  
02P MTA156 HDR ASSY STR RND SN



TE Part #5-103414-2  
04 MODII HDR SRST SHRD LF



TE Part #2174053-1  
ENC. CBL I/O KIT, M-MOTOR PLUS



TE Part #2174054-1  
ENC. CBL I/O KIT 100SET , M-MOTOR PLUS



TE Part #2174065-4  
REC. CONT. FMG. M-MOTOR PLUS



TE Part #1971153-2  
CONN ASSY INDUSTRIAL MINI I/O J-CONN.



TE Part #172074-7  
POSITIVE LOCK 187 HOUSING RECEPTACLE



TE Part #254977-E  
STVCD 128 F ABCD WVW 7-00 TL 4,0 \* 247

TE Part #1871186-3  
1.5VP REMODEL AND 1.0VP CABLE ASSY



Documents

Product Drawings

RJ45 MODULAR JACK ASSY H 8P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1827585-1\_D\_c-1827585-1-d.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1827585-1\_D\_c-1827585-1-d.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1827585-1\_D\_c-1827585-1-d.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Industrial Modular Jack RJ45 Conn

Japanese

Product Specification

Japanese