

Industrial RJ45 IP20

TE Internal #: 2120892-1

RJ45 Connectors, RJ45, RJ Type Jacks & Plugs, Plug, Shielded, Cat 6A, None Status Indicator, 8 Position, 8 Loaded Positions, Industrial RJ45 IP20

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Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**
Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**
Connector Contact Density: **Standard**
Modular Connector Style: **Plug**
Shielded: **Yes**

Features

Product Type Features

Connectors & Connector Components Type	Connector
Wire Termination Style	Toolless
Connector Product Type	Connector Kit
Modular Jack & Plug Interface Type	RJ45
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Plug
Grounding Options	Panel Ground
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Wiring Pattern	T568A/T568B
Connector Contact Density	Standard
Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8



Body Features

Cover Color	Black
Cutoff	With
Shield Plating Finish	Tin
Grounding Tab Plating Material	Tin over Copper
Shield Plating Material	Hot Dipped Tin
Shield Material	Copper Alloy
Connector Profile	Standard

Contact Features

Contact Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	2.07 µm[81.49 µin]

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	1.02 mm[.04 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Conductor Outside Diameter	1.6 mm[.063 in]
Stranded Wire Size	22 – 26 AWG
Solid Wire Size	22 – 26 AWG
Cable Diameter Range	5.8 – 8.2 mm[.228 – .323 in]
Wire Size	22 – 26 AWG
Connector Height	17.66 mm[.69 in]

Usage Conditions

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

Operation/Application



Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 6A

Packaging Features

Packaging Quantity	1
Packaging Method	Blister Pack

Other

Comment	Wiring Pattern: ProfiNet 2x2
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Product Compliance

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

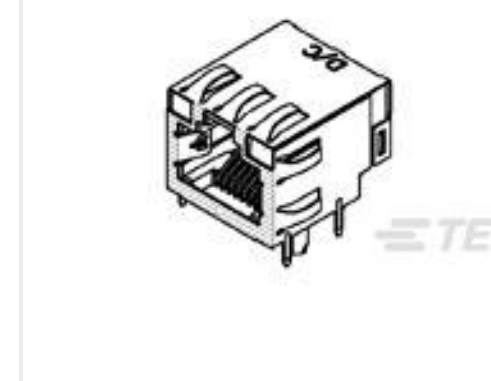
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (3.8% in Component Part)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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

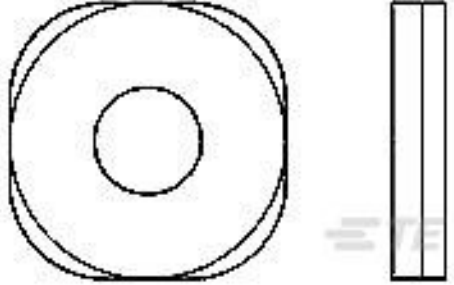
 TE Part # 2301994-4 RJ45 JACK INT.MAG. 10/100 1X1	 TE Part # 2201061-1 RJ45 MODULAR JACK ASSY V 8P	 TE Part # 1827585-1 RJ45 MODULAR JACK ASSY H 8P	 TE Part # 2229093-1 MOD JACK ASSEMBLY V-TYPE H=21.7mm
 TE Part # 1-2301997-0 RJ45 JACK INT.MAG. 1Gb LED 2X1	 TE Part # 3-2301994-1 RJ45 JACK INT.MAG. 1Gb 1x1	 TE Part # 3-2301994-2 RJ45 JACK INT.MAG. 1Gb 1x1	 TE Part # 3-2301994-3 RJ45 JACK INT.MAG. 1Gb LED 1x1
 TE Part # 3-2301994-4 RJ45 JACK INT.MAG. 1Gb LED 1x1	 TE Part # 8-2301994-1 RJ45 JACK INT.MAG. 1Gb 1x1	 TE Part # 8-2301994-2 RJ45 JACK INT.MAG. 1Gb 1x1	 TE Part # 8-2301994-3 RJ45 JACK INT.MAG. 1Gb LED 1x1
 TE Part # 8-2301994-4 RJ45 JACK INT.MAG. 1Gb LED 1X1			

Also in the Series | Industrial RJ45 IP20

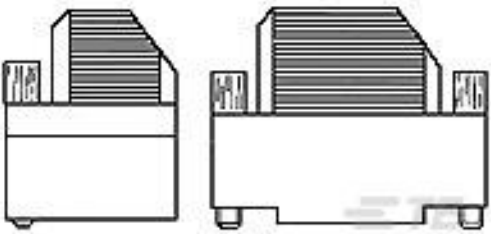
 Circular Ethernet Hardware(1)	 PCB D-Sub Connectors(1)	 RJ45 Connectors(8)
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Customers Also Bought



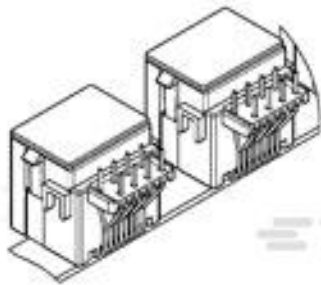
TE Part #5-1393561-1
V42254A6207L 1=SUB D KABELTUE



TE Part #5-1393738-9
V42254A6004G109=SUB D GEHAEUSE



TE Part #2350323-1
MINI IO CONN Cat5e FI 2x2 AWG22 T I



TE Part #9-216444-9
SUBASSY FOR 4/4 PCB MOD.JACK B



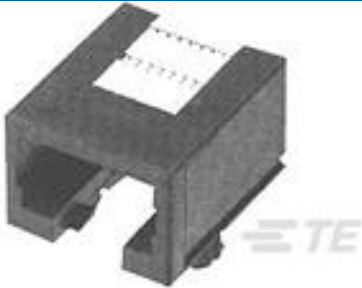
TE Part #2-2205133-1
CA MINI IO TYPE I IND RJ45



TE Part #2-2271656-1
TYPE I SMT REC. WITH CAP ON EMBOSS TAPE

TE Part #3-1825058-1
ADE04SATR04, DIP SW, NO CAP

TE Part #1977208-4
ADF12SATR04900=12POS DIP



TE Part #2-215875-1
4/4 PCB MOD.JACK SE

Documents

Product Drawings
RJ45 CONNECTOR CAT6A, IP20 PLUG

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2120892-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2120892-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2120892-1_B.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

1-1773852-6_RJ45_CAT6A_FLYER

English

Product Specifications

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

Agency Approvals

UL Report

English