

2120892-1 ✓ ACTIVE

## Industrial RJ45 IP20

TE Internal #: 2120892-1

RJ45 Connectors, RJ45, RJ Type Jacks & Plugs, Standard Connector Contact Density, Plug, Shielded, Cat 6A, 8 Position, 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

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

Status Indicator Type	None
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8

#### Body Features

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 $\mu\text{m}$ [81.49 $\mu\text{in}$ ]

#### 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

Connector Height	17.66 mm[.69 in]
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#### Usage Conditions

Operating Temperature Range	-40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$ ]
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#### Operation/Application

Shielded	Yes
Circuit Application	Signal

#### Industry Standards

IP Rating	IP20
UL Flammability Rating	UL 94V-0
Performance Category	Cat 6A

#### Packaging Features

Packaging Quantity	1
Packaging Method	Blister Pack

#### Other

Modular Jacks & Plugs 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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

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



Also in the Series | **Industrial RJ45 IP20**



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

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## Datasheets & Catalog Pages

[1-1773852-6\\_RJ45\\_CAT6A\\_FLYER](#)

English

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## Product Specifications

[Product Specification](#)

English

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## Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

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## Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

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## Agency Approvals

[UL Report](#)

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