TE Internal #: 2383216-3

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Plug, Shielded, Cat 5e, 8

Position

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	Plug
Connector & Contact Terminates To	Wire & Cable

### **Configuration Features**

Status Indicator Type	None
Multiple Port Configuration	Stacked
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	4

## Signal Characteristics



Body Features  Insulator Material Polymer  Shield Plating Firish Matte  Shield Plating Material Nickel  Shield Material Copper Zinc Allay  Connector Profile Standard  Contact Features  Contact Lunderplaining Material Nickel  Contact Maring Area Plating Material Gold  Contact Base Material Copper Allay  Contact Maring Area Plating Material Gold  Contact Maring Area Plating Material Inideness #6 µm  Housing Features  Certairline (Rich) 1.02 mm  Housing Colon Orange  Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating I emperature Range 40 BS *C  Operating I emperature Range Power & Signal Industry Standards  IP Rating IP20  UL Hammability Rating PL20  UL Hammability Rating Pedesaging Guartity S0  Pedeaging Guartity 50  Packaging Guartity 50	Data Rate	1000 Mb/s
Shield Plating Hinish Shield Plating Material Shield Plating Material Shield Material Connector Profile Standard Contact Features Contact Features Contact Underslating Material Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Hickness Housing Features Centerline (Pitch) 1.02 mm Housing Color Orange Illousing Material Dimensions Connector Height Usage Conditions Operating Temperature Range 40 – 85 °C Operation/Application Shielded Yes Circuit Application Power & Signal Industry Standards IP Rating UL Patvo Performance Category Cat Se Peckaging Features Packaging Features Packaging Peatures	Body Features	
Shield Plating Hinish Shield Plating Material Shield Plating Material Shield Material Connector Profile Standard Contact Features Contact Features Contact Underslating Material Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Hickness Housing Features Centerline (Pitch) 1.02 mm Housing Color Orange Illousing Material Dimensions Connector Height Usage Conditions Operating Temperature Range 40 – 85 °C Operation/Application Shielded Yes Circuit Application Power & Signal Industry Standards IP Rating UL Patvo Performance Category Cat Se Peckaging Features Packaging Features Packaging Peatures	Insulator Material	Polymer
Shield Material Copper Zinc Alloy Connector Profile Standard  Contact Features  Contact Underplating Material Nickel Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Gold Contact Base Material Copper Alloy Contact Mating Area Plating Material Thickness 7.6 µm  Housing Features  Centerline (Pitch) 1.02 mm Housing Color Orange Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range 40 – 85 °C  Operating Temperature Range Yes Circuit Application Power & Signal Industry Standards  IP Rating IP20 UL Flammability Rating UL 94V 0 Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Shield Plating Finish	
Contact Peatures  Contact Underplating Material Nickel  Contact Current Rating (Max) 1.5 A  Contact Mating Area Plating Material Gold  Contact Base Material Copper Alloy  Contact Mating Area Plating Material Thickness .76 µm  Housing Features  Centerline (Pitch) 1.02 mm  Housing Color Orange  Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range 40 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Quantity 50	Shield Plating Material	Nickel
Contact Features  Contact Underplating Material  Contact Current Rating (Max)  Contact Mating Area Plating Material  Contact Base Material  Copper Alloy  Contact Mating Area Plating Material Thickness  John  Housing Features  Conterline (Pitch)  1.02 mm  Housing Acolor  Contact Material  Contact Mating Area Plating Material Thickness  John  Housing Features  Conterline (Pitch)  1.02 mm  Unange  Housing Material  Polyamide  Dimensions  Connector Height  16.5 mm  Usage Conditions  Operating Temperature Range  John  Joh	Shield Material	Copper Zinc Alloy
Contact Underplating Material Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness 7.6 µm  Housing Features  Centerline (Pitch) 1.02 mm Housing Color Orange Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range 40 – 85 °C  Operation/Application  Shielded Yes Circuit Application  Power & Signal Industry Standards  IP Rating IP 20 UL Flammability Rating Performance Category Packaging Features  Packaging Quantity 50	Connector Profile	Standard
Contact Current Rating (Max)  Contact Mating Area Plating Material  Contact Base Material  Contact Mating Area Plating Material Thickness  Contact Mating Area Plating Material Thickness  To pm  Housing Features  Centerline (Pitch)  1.02 mm  Housing Color  Orange  Housing Material  Polyamide  Dimensions  Connector Height  16.5 mm  Usage Conditions  Operating Temperature Range  -40 – 85 °C  Operation/Application  Shielded  Yes  Circuit Application  Industry Standards  IP Rating  IP 20  UL Planmability Rating  Performance Category  Cat 5e  Packaging Features  Packaging Guantity  50	Contact Features	
Contact Mating Area Plating Material Gold  Contact Base Material Copper Alloy  Contact Mating Area Plating Material Thickness .76 µm  Housing Features  Centerline (Pitch) 1.02 mm  Housing Color Orange  Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range 40 – 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Guantity 50	Contact Underplating Material	Nickel
Contact Base Material Copper Alloy Contact Mating Area Plating Material Thickness .76 µm  Housing Features  Centerline (Pitch) 1.02 mm Housing Color Orange Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range 40 85 °C  Operating Temperature Range Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material Thickness 7.76 µm  Housing Features  Centerline (Pitch) 1.02 mm  Housing Color Orange  Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range -40 – 85 °C  Operating/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Plammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Contact Mating Area Plating Material	Gold
Housing Features  Centerline (Pitch) 1.02 mm  Housing Color Orange  Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range -40 – 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Guantity 50	Contact Base Material	Copper Alloy
Centerline (Pitch)  Housing Color  Orange  Housing Material  Polyamide  Dimensions  Connector Height  16.5 mm  Usage Conditions  Operating Temperature Range  -40 – 85 °C  Operation/Application  Shielded  Yes  Circuit Application  Industry Standards  IP Rating  UL Flammability Rating  UL Flammability Rating  Performance Category  Packaging Features  Packaging Quantity  1.02 mm  Orange  Polyamide  16.5 mm  16.5 mm  16.5 mm  19.0  UL 940 – 85 °C  Coperating Temperature Range  UL 94V-0  Cat 5e	Contact Mating Area Plating Material Thickness	.76 μm
Housing Color  Housing Material  Polyamide  Dimensions  Connector Height  16.5 mm  Usage Conditions  Operating Temperature Range  Operation/Application  Shielded  Yes  Circuit Application  Industry Standards  IP Rating  UL Flammability Rating  UL Parformance Category  Packaging Features  Packaging Quantity  Orange  Polyamide  Polyamide  16.5 mm  40 - 85 °C  Operation/Application  Power & Signal  IP20  UL 94V-0  Cat 5e	Housing Features	
Housing Material Polyamide  Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range -40 - 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Centerline (Pitch)	1.02 mm
Dimensions  Connector Height 16.5 mm  Usage Conditions  Operating Temperature Range -40 – 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Housing Color	Orange
Connector Height  Usage Conditions  Operating Temperature Range  -40 - 85 °C  Operation/Application  Shielded  Yes  Circuit Application  Industry Standards  IP Rating  IP Rating  UL Flammability Rating  Performance Category  Packaging Features  Packaging Quantity  16.5 mm  16.5 mm  16.5 mm  16.5 mm  16.5 mm  16.5 mm  10.5 mm  40 - 85 °C  Curcuit Application  Power & Signal  UL 94V-0  Cat 5e	Housing Material	Polyamide
Usage Conditions  Operating Temperature Range -40 – 85 °C  Operation/Application  Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Dimensions	
Operating Temperature Range -40 – 85 °C  Operation/Application  Shielded Yes Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Connector Height	16.5 mm
Operation/Application  Shielded Yes Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Usage Conditions	
Shielded Yes  Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Operating Temperature Range	-40 – 85 °C
Circuit Application Power & Signal  Industry Standards  IP Rating IP20  UL Flammability Rating UL 94V-0  Performance Category Cat 5e  Packaging Features  Packaging Quantity 50	Operation/Application	
IP Rating IP20 UL Flammability Rating UL 94V-0 Performance Category Cat 5e  Packaging Features Packaging Quantity 50	Shielded	Yes
IP Rating  UL Flammability Rating  Performance Category  Cat 5e  Packaging Features  Packaging Quantity  50	Circuit Application	Power & Signal
UL Flammability Rating UL 94V-0 Performance Category Cat 5e  Packaging Features Packaging Quantity 50	Industry Standards	
Performance Category  Cat 5e  Packaging Features  Packaging Quantity  50	IP Rating	IP20
Packaging Features  Packaging Quantity  50	UL Flammability Rating	UL 94V-0
Packaging Quantity 50	Performance Category	Cat 5e
	Packaging Features	
Packaging Method Box	Packaging Quantity	50
	Packaging Method	Box



### **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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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





## **Customers Also Bought**





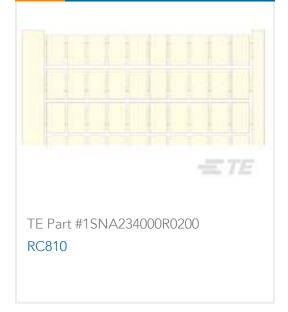


















### **Documents**

### **Product Drawings**

RJ45 FIELD INSTALLABLE CABLE CONN.

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2383216-3\_1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2383216-3\_1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2383216-3\_1.3d\_stp.zip

English

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

**Product Specifications** 

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Plug, Shielded, Cat 5e, 8 Position



### **Application Specification**

English

**Instruction Sheets** 

Instruction Sheet (non U.S.)

English

Agency Approvals

UL

English