TE Internal #: 216811-1

RJ45 Connectors, RJ45, Single Port, Port Matrix Configuration 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack,

Shielded, Cat 3

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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**

## Product Type Features

Connectors & Connector Components Type	Connector
Wire Termination Style	Toolless
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	None

### **Configuration Features**

Wiring Pattern	One-to-One
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8



Shield Plating Material Shield Material Shield Material Modular Jack Latch Orientation Connector Profile Standard Contact Features  Contact Gurrent Rating (Max) L5 A Contact Mating Area Plating Material Thickness L5 prn(49.21 pin)  Fermination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC) Termination Method to Printed Circuit Board Machanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) L02 mm[,04 in] Housing Color Housing Material  Dimensions  Connector Height  Jsage Conditions  Operating Temperature Range 40 - 85 °C  40 - 185 °F  40 - 185 °F  Coperation/Application  Shielded Yes Circuit Application Signal		
Shield Plating Material Brass Modular Jack Latch Orientation Standard - Latch Down Connector Profile Standard Contact Features Contact Mating Area Plating Material Gold over Nickel Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material I hickness 125 µm[49.21 µin]  Fermination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC) Termination Method to Printed Circuit Board Surface Mount  Mechanical Attachment  Connector Mounting Lype Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm (04 in) Housing Material Pass Housing Material Pass Connector Height 19 mm,748 in)  Jeage Conditions  Connector Height Yes Coperation/Application Shielded Yes Circuit Application Signal Inclustry Standards UL Pay-HB	PCB Mount Orientation	Vertical
Shield Material Brass Modular Jack Latch Orientation Standard - Latch Down Connector Profile Standard Contact Features Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Gold over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Material Thickness 1.25 µm (49.21 µin) Fermination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC) Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment  Connector Mounting Type Panel Mount Housing Features  Mating Firity Location Side Centerine (Pitch) 1.02 mm (04 in) Housing Material Phasing Connector Height 19 mm (748 in) Useracion Side Connector Height Yes Connector Height Yes Connector Hopfication Side Connector Height Yes Connector Hopfication Signal Connector Height Yes Circuit Application Signal Circuit Application Signal Circuit Application Signal	Body Features	
Modular Jack Latch Orientation Connector Profile Contact Features Contact Current Rating (Max) Contact Mating Area Plating Material Thickness Contact Mating Area Plating Material Thickness Contact Mating Area Plating Material Thickness Termination Method to Wire & Cable Insulation Displacement Crimp (IDC) Termination Method to Printed Circuit Board Mechanical Attachment Connector Mounting Type Panel Mount Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[,04 in] Housing Color Housing Material Dimensions Connector Height Dimensions Connector Height Vasage Conditions Connector Height Standards UL Fammability Rating UL 94V HB UL 94V HB	Shield Plating Material	Tin
Contact Features Contact Current Rating (Max) Contact Mating Area Plating Material Thickness Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC) Termination Method to Printed Circuit Board  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm(04 in) Housing Color Housing Material  Dimensions  Connector Height Dimensions  Connector Height Displacement Crimp (IDC)  Panel Mount  P	Shield Material	Brass
Contact Features  Contact Current Rating (Max)  Contact Mating Area Plating Material  Contact Mating Area Plating Material  Contact Base Material  Contact Mating Area Plating Material Thickness  Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Wire & Cable  Insulation Displacement Crimp (IDC)  Termination Method to Printed Circuit Board  Mechanical Attachment  Connector Mounting Type  Panel Mount  Housing Features  Mating Lntry Location  Centerline (Pitch)  1.02 mmt,04 inj  Housing Color  Housing Material  Dimensions  Connector Height  Jasage Conditions  Operating Temperature Range  Operating Temperature	Modular Jack Latch Orientation	Standard - Latch Down
Contact Current Rating (Max) Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC)  Termination Method to Printed Circuit Board Mechanical Attachment  Connector Mounting Type Pariel Mount  Housing Features  Mating Entry Location Centedline (Pitch) Housing Color Housing Material Dimensions  Connector Height Jsage Conditions Operating Temperature Range Operating Temperature Range Operating Temperature Range Operating Temperature Range Shielded Yes Circuit Application  Circuit Application  Null Planmability Rating UL 94V-HB UL 94V-HB	Connector Profile	Standard
Contact Mating Area Plating Material Gold over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Material Thickness 1.25 µn 49.21 µin  Termination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC)  Termination Method to Printed Circuit Board Surface Mount  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C[-40 – 185 °F][-40 – 185 °F]  Operation (Application Signal  Industry Standards  UL Playmability Rating UL 94V-HB	Contact Features	
Contact Base Material Contact Mating Area Plating Material Thickness 1.25 µm 49.21 µin  Termination Features  Termination Method to Wire & Cable Termination Method to Printed Circuit Board Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 rmm .04 in  Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operation/Application Shielded Yes Circuit Application Signal  UL Flammability Rating UL 94V-HB	Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material Thickness  Termination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC)  Termination Method to Printed Circuit Board Surface Mount  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side  Centerline (Pitch) 1.02 mm[.04 in]  Housing Color Black  Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range 40 85 °C[ 40 – 185 °F][ 40 – 185 °F]  Operation/Application  Shielded Yes  Circuit Application Signal  Industry Standards  UL Flammability Rating UL 94V-HB	Contact Mating Area Plating Material	Gold over Nickel
Termination Features  Termination Method to Wire & Cable Insulation Displacement Crimp (IDC)  Termination Method to Printed Circuit Board  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Housing Material  PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range Operation/Application  Shielded Yes Circuit Application  Industry Standards  UL Flammability Rating  Insulation Displacement Crimp (IDC)  Surface Mount Side Mount  Fanel Mount  Panel Mount  Fanel Mount  Panel Mount  Fanel	Contact Base Material	Phosphor Bronze
Termination Method to Wire & Cable Termination Method to Printed Circuit Board  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material  PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range Perature Ran	Contact Mating Area Plating Material Thickness	1.25 μm[49.21 μin]
Termination Method to Printed Circuit Board  Mechanical Attachment  Connector Mounting Type Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range Operating Temperature Range  Operating Temperature Range  Operating Temperature Range Shielded Yes  Circuit Application  Shielded UL Flammability Rating  UL 94V-HB	Termination Features	
Connector Mounting Type  Housing Features  Mating Entry Location  Centerline (Pitch)  Housing Color  Housing Material  Connector Height  Connector Height  Usage Conditions  Coperating Temperature Range  Circuit Application  Shielded  Ves  Circuit Application  Industry Standards  UL Flammability Rating  Panel Mount	Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
Connector Mounting Type  Housing Features  Mating Entry Location Centerline (Pitch) Housing Color Housing Material  Dimensions  Connector Height  Usage Conditions  Operating Temperature Range  A0 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Circuit Application  Industry Standards  UL Flammability Rating  Pide Mount  Side  Side  1.02 mm[.04 in]  Black  PBT  PBT  PBT  PBT  PBT  A0 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Signal  UL 94V-HB	Termination Method to Printed Circuit Board	Surface Mount
Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in] Usage Conditions  Operating Temperature Range A0 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application Shielded Yes  Circuit Application Industry Standards  UL Flammability Rating  Video Side Side Side 1.02 mm[.04 in] 1.02 mm[.	Mechanical Attachment	
Mating Entry Location  Centerline (Pitch)  Housing Color  Housing Material  Dimensions  Connector Height  Descriptions  Operating Temperature Range  Operation/Application  Shielded  Circuit Application  Industry Standards  UL Flammability Rating  Side  1.02 mm[.04 in]  1.02 mm[.04 in]  PBT  PBT  PBT  PBT  PBT  PBT  PBT  PB	Connector Mounting Type	Panel Mount
Centerline (Pitch)  Housing Color  Housing Material  Connector Height  Usage Conditions  Operating Temperature Range  Shielded  Yes  Circuit Application  Industry Standards  UL Flammability Rating	Housing Features	
Housing Color Housing Material Housing Material PBT  Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application Shielded Yes Circuit Application Industry Standards  UL Flammability Rating  WL 94V-HB	Mating Entry Location	Side
Housing Material  PBT  Dimensions  Connector Height  Usage Conditions  Operating Temperature Range  Operation/Application  Shielded  Yes  Circuit Application  Industry Standards  UL Flammability Rating	Centerline (Pitch)	1.02 mm[.04 in]
Dimensions  Connector Height 19 mm[.748 in]  Usage Conditions  Operating Temperature Range -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application  Shielded Yes  Circuit Application Signal  Industry Standards  UL Flammability Rating UL 94V-HB	Housing Color	Black
Connector Height  Usage Conditions  Operating Temperature Range  -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application  Shielded  Yes  Circuit Application  Signal  Industry Standards  UL Flammability Rating  UL 94V-HB	Housing Material	PBT
Usage Conditions  Operating Temperature Range -40 – 85 °C[-40 – 185 °F][-40 – 185 °F]  Operation/Application  Shielded Yes  Circuit Application Signal  Industry Standards  UL Flammability Rating UL 94V-HB	Dimensions	
Operating Temperature Range  -40 – 85 °C[-40 – 185 °F][-40 – 185 °F]  Operation/Application  Shielded Yes  Circuit Application Signal  Industry Standards  UL Flammability Rating  UL 94V-HB	Connector Height	19 mm[.748 in]
Operation/Application  Shielded Yes  Circuit Application Signal Industry Standards  UL Flammability Rating  UL 94V-HB	Usage Conditions	
Shielded Yes  Circuit Application Signal  Industry Standards  UL Flammability Rating UL 94V-HB	Operating Temperature Range	-40 - 85 °C[-40 - 185 °F][-40 - 185 °F]
Circuit Application Signal  Industry Standards  UL Flammability Rating  UL 94V-HB	Operation/Application	
Industry Standards  UL Flammability Rating  UL 94V-HB	Shielded	Yes
UL Flammability Rating  UL 94V-HB	Circuit Application	Signal
	Industry Standards	
Performance Category Cat 3	UL Flammability Rating	UL 94V-HB
	Performance Category	Cat 3



#### **Packaging Features**

Packaging Quantity	500
Packaging Method	Box

## **Product Compliance**

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

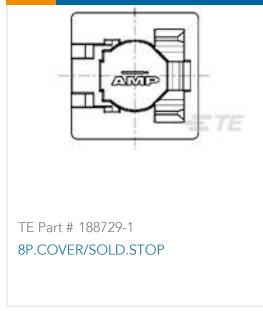
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
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





# Customers Also Bought









ASSEMBLY, R/A UPM RECPT, 5 POS















#### **Documents**

Product Drawings
8P. TOOLLESS MOD J.

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_216811-1\_F.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_216811-1\_F.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_216811-1\_F.3d\_stp.zip

English

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

**Agency Approvals** 

RJ45 Connectors, RJ45, Single Port, Port Matrix Configuration 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack, Shielded, Cat 3



**UL Report** 

English