

TE Internal #: 5406721-1

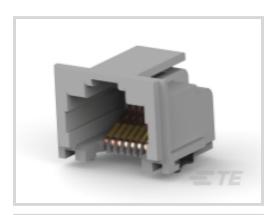
RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack, Cat 5, Inverted - Latch

Up, 8 Position

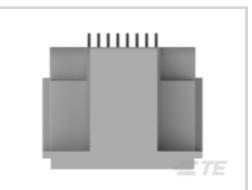
View on TE.com >



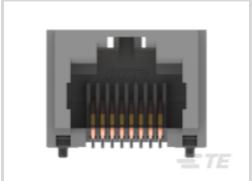
### Connectors > Modular Jacks & Plugs > RJ45 Connectors











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	Jack
Grounding Options	None
Connector & Contact Terminates To	Printed Circuit Board

## **Configuration Features**

Status Indicator Type	None
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**



Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Board Mount, Panel Mount Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 - 70 °C[.40 - 158 °F]  Operation/Application  Shielded No Circuit Application Signal		
Contact Features  Contact Underplating Material Nickel PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Gold Contact Base Material Copper Alloy Contact Mating Area Plating Material Inickness Abundant	PCB Retention Feature Material	Phosphor Bronze
Contact Features  Contact Underplating Material PCB Contect Termination Area Plating Material Tin Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness  Termination Features  Termination Features  Termination Post & Tail Length Surface Mount Termination Post & Tail Length Surface Mount Termination Post & Tail Length Surface Mount Termination Type Panel Mount Feature Panel Mount Feature Type Panel Mount Reterrition Type Beard Mount Reterrition Type Beard Mount, Panel Mount Housing Features  Mating Firty Location Centerline (Pitch) 1.02 mm[.04 in] Housing Color Gray Housing Material Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height Usage Conditions  Operating Lemperature Range 40 - 70 °C[40 - 158 °F]  Operation/Application Stielded No Circuit Application Signal	Modular Jack Latch Orientation	Inverted - Latch Up
Contact Underplating Material PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Thickness Termination Features  Termination Features  Termination Post & Tail Length Surface Mount Termination Post & Tail Length 1.52 mm[.059 in]  Mechanical Attachment  Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Housing Material Dimensions  PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range 40 70 °C (40 – 158 °F) Operation/Application Skielded No Circuit Application Signal	Connector Profile	Low
PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness J/6 µm/30 µin] Termination Features  Termination Method to Printed Circuit Board Surface Mount Termination Post & Tail Length 1.52 mm/(.059 in]  Mechanical Attachment  Panel Mount Feature With Panel Mount Feature With Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm/(.04 in) Housing Color Tlousing Material Dimensions PCB Thickness (Recommended) Connector Height 1.57 mm/(.052 in) Connector Height Usage Conditions  Operating Temperature Range -40 - 70 °C(-40 - 158 °F) Operation/Application  Shielded No Circuit Application Signal	Contact Features	
Contact Mating Area Plating Material Copper Alloy Contact Base Material Copper Alloy Contact Mating Area Plating Material Thickness .76 µm(30 µin)  Termination Features  Termination Method to Printed Circuit Board Surface Mount  Termination Post & Tail Length 1.52 mm(.059 in)  Mechanical Attachment  Panel Mount Feature With Panel Mount Feature Type Panel Stops  PCB Mount Retention Type Boardlock  Connector Mounting Type Board Mount, Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm(.04 in) Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm(.062 in) Connector Height 1.24 mm(.488 in)  Usage Conditions  Operating Temperature Range 40 – 70 °C(.40 – 158 °F)  Operation/Application  Shielded No Circuit Application Signal	Contact Underplating Material	Nickel
Contact Base Material Copper Alloy Contact Mating Area Plating Material Thickness .76 µm(30 µin)  Termination Features  Termination Method to Printed Circuit Board Surface Mount Termination Post & Tail Length 1.52 mm(.059 in)  Mechanical Attachment  Panel Mount Feature With Panel Mount Feature Type Panel Stops PCB Mount Retention Type Board Mount, Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm(.04 in) Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm(.062 in) Connector Height 12.4 mm(.488 in)  Usage Conditions  Operating Temperature Range .40 – 70 °C(-40 – 158 °F.)  Operation/Application  Shielded No Circuit Application Signal	PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	Contact Mating Area Plating Material	Gold
Termination Features  Termination Method to Printed Circuit Board  Termination Post & Tail Length  1.52 mm[.059 in]  Mechanical Attachment  Panel Mount Feature  With  Panel Mount Feature Type  Panel Stops  PCB Mount Retention Type  Board Mount, Panel Mount  Housing Features  Mating Entry Location  Side  Centerline (Pitch)  1.02 mm[.04 in]  Housing Material  Dimensions  PCB Thickness (Recommended)  Connector Height  Usage Conditions  Operating Temperature Range  40 – 70 °C[.40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Contact Base Material	Copper Alloy
Termination Method to Printed Circuit Board  Termination Post & Tail Length  1.52 mm[.059 in]  Mechanical Attachment  Panel Mount Feature  Panel Mount Feature Type Panel Stops  PCB Mount Retention Type Board Mount, Panel Mount  Housing Features  Mating Entry Location Side  Centerline (Pitch) 1.02 mm[.04 in]  Housing Material  Dimensions  PCB Thickness (Recommended) Connector Height  Usage Conditions  Operation/Application  Shielded No  Circuit Application Signal	Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Termination Post & Tail Length  Mechanical Attachment  Panel Mount Feature Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Board Mount, Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Gray Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) Connector Height 1.24 mm[.488 in]  Usage Conditions  Operation/Application  Shielded No Circuit Application Signal	Termination Features	
Mechanical Attachment  Panel Mount Feature Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Board Mount, Panel Mount Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm .04 in  Housing Color Gray Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 - 70 °C[.40 - 158 °F]  Operation/Application  Shielded No Circuit Application Signal	Termination Method to Printed Circuit Board	Surface Mount
Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Board Mount, Panel Mount Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 - 70 °C[.40 - 158 °F]  Operation/Application  Shielded No Circuit Application Signal	Termination Post & Tail Length	1.52 mm[.059 in]
Panel Mount Feature Type Panel Stops PCB Mount Retention Type Board Mount, Panel Mount Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Gray Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 - 70 °C[-40 - 158 °F]  Operation/Application  Shielded No Circuit Application Signal	Mechanical Attachment	
PCB Mount Retention Type Boardlock Connector Mounting Type Board Mount, Panel Mount  Housing Features  Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Gray Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded No Circuit Application Signal	Panel Mount Feature	With
Connector Mounting Type  Board Mount, Panel Mount  Housing Features  Mating Entry Location  Centerline (Pitch)  1.02 mm[.04 in]  Housing Color  Gray  Housing Material  High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended)  1.57 mm[.062 in]  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 - 70 °C[-40 - 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Panel Mount Feature Type	Panel Stops
Housing Features  Mating Entry Location Side  Centerline (Pitch) 1.02 mm[.04 in]  Housing Color Gray  Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in]  Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded No  Circuit Application Signal	PCB Mount Retention Type	Boardlock
Mating Entry Location  Centerline (Pitch)  1.02 mm[.04 in]  Housing Color  Gray  Housing Material  High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended)  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Connector Mounting Type	Board Mount, Panel Mount
Centerline (Pitch)  Housing Color  Gray  Housing Material  High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended)  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Housing Features	
Housing Color  Housing Material  High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended)  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Mating Entry Location	Side
Housing Material High Temperature Thermoplastic  Dimensions  PCB Thickness (Recommended) 1.57 mm[.062 in]  Connector Height 12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded No  Circuit Application Signal	Centerline (Pitch)	1.02 mm[.04 in]
Dimensions  PCB Thickness (Recommended)  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Housing Color	Gray
PCB Thickness (Recommended)  Connector Height  12.4 mm[.488 in]  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Housing Material	High Temperature Thermoplastic
Connector Height  Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	Dimensions	
Usage Conditions  Operating Temperature Range  -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded  No  Circuit Application  Signal	PCB Thickness (Recommended)	1.57 mm[.062 in]
Operating Temperature Range -40 – 70 °C[-40 – 158 °F]  Operation/Application  Shielded No  Circuit Application Signal	Connector Height	12.4 mm[.488 in]
Operation/Application       Shielded     No       Circuit Application     Signal	Usage Conditions	
Shielded No Circuit Application Signal	Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
Circuit Application Signal	Operation/Application	
	Shielded	No
Industry Standards	Circuit Application	Signal
	Industry Standards	



UL Flammability Rating	UL 94V-0
Performance Category	Cat 5
Packaging Features	
Packaging Quantity	650
Packaging Method	Tape & Reel

### **Product Compliance**

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

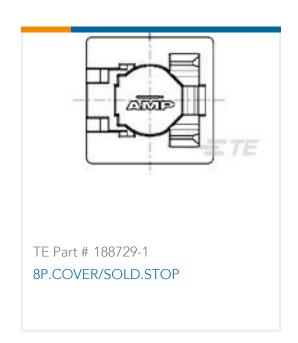
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°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**





## Customers Also Bought



TE Part #292171-3 CT POST HDR ASSY 3P IN-TUBE BL





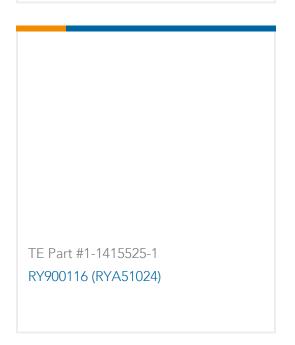












### **Documents**

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5406721-1\_E.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5406721-1\_E.3d\_igs.zip

English



### **Customer View Model**

ENG\_CVM\_CVM\_5406721-1\_E.3d\_stp.zip

English

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

### Datasheets & Catalog Pages

82066 - Modular Jacks and MRJ21 Product catalog - Single Port Modular Jacks section

English

### **Product Specifications**

**Application Specification** 

English

**Application Specification** 

English

## **Product Environmental Compliance**

**TE Material Declaration** 

English

### **Agency Approvals**

**UL Report** 

English