

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

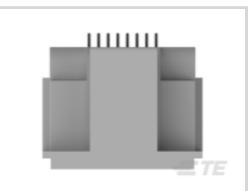
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Connectors > Modular Jacks & Plugs > RJ45 Connectors











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

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



Contact Undorplating Material 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 76 pm/30 pin/ Termination Features Termination Method to Printed Circuit Board Surface Mount Termination Post & Ital Length 1.59 mm/059 in/ Mechanical Attachment Panel Mount Feature Panel Mount Feature Type Panel Mount Feature Type Panel Mount Retention Type Boardlook Connector Mounting Type Housing Features Mating Entry Location Side Centerline (Pitch) Housing Color Housing Material Dimensions PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range Operating Temperature Range An Operating Signal Signal		
Contact Features Contact Underplating Material PCB Contact Lemination Area Plating Material PCB Contact I emination Area Plating Material Contact Mating Area Plating Material Thickness Contact Mating Area Plating Material Thickness Termination Features Termination Features Termination Post & Tail Length 1.52 mm[.059 in] Mechanical Attachment Panel Mount Feature Type Panel Mount Feature Type Panel 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 Pherminations PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height Usage Conditions Operating Temperature Range 40 70 °C[40 158 °F] Operating Temperature Range Operation/Application Shielded No Circuit Application Signal	PCB Retention Feature Material	Phosphor Bronze
Contact Features Contact Underplating Material PCB Contact Termination Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Mating Area Plating Material Thickness Contact Mating Area Plating Material Thickness Termination Features Termination Features Termination Post & Tail Length 1.52 mml,039 in Machanical Attachment Panel Mount Feature Panel Mount Feature Panel Mount Retention Type Panel Mount Retention Type Baard Mount, Panel Mount Contract Mounting Type Baard Mount, Panel Mount Beatures Mating Entry Location Centerline (Pitch) 1.02 mml,04 in Housing Color Housing Material Dimensions PCB Thickness (Recommended) 1.57 mml,042 in Connector Height Usage Conditions Operation/Application Shielded No Creuit Application Signal	Modular Jack Latch Orientation	Inverted - Latch Up
Contact Undorplating Material 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 76 pm/30 pin/ Termination Features Termination Method to Printed Circuit Board Surface Mount Termination Post & Ital Length 1.59 mm/059 in/ Mechanical Attachment Panel Mount Feature Panel Mount Feature Type Panel Mount Feature Type Panel Mount Retention Type Boardlook Connector Mounting Type Housing Features Mating Entry Location Side Centerline (Pitch) Housing Color Housing Material Dimensions PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range Operating Temperature Range An Operating Signal Signal	Connector Profile	Low
PCR 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 Termination Features Termination Method to Printed Circuit Board Surface Mount Termination Post & Tail Length Surface Mount Termination Post & Tail Length Mechanical Attachment Panel Mount Feature Type Panel Mount Feature Type Panel Mount Feature Type PCB Mount Retention Type Board Mount, Panel Mount Housing Features Mating Entry 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 Temperature Range 4-0 - 70 °C[-40 - 158 °F] Operation Application Shielded No Circuit Application Signal	Contact Features	
Contact Mating Area Plating Material Contact Base Material Contact Base Material Contact Base Material Thickness .76 µm (30 µm) 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 Boardlock 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 1.24 mm (488 in) Usage Conditions Operation Application Signal	Contact Underplating Material	Nickel
Contact Base Material Copper Alloy Contact Mating Area Plating Material Thickness	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 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 Type Board Mount, Panel Mount Panel	Contact Base Material	Copper Alloy
Termination Method to Printed Circuit Board Termination Post & Tail Length Mechanical Attachment Panel Mount Feature Panel Mount Feature Type Panel Stops PCB Mount Retention Type Board Mount, Panel Mount Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material Pimensions PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range Operation/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 Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range Operation/Application Signal	Termination Features	
Mechanical Attachment Panel Mount Feature Panel Mount Feature Type Panel Stops PCB Mount Retention Type Boardlock Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material Connector Height Connector Height Usage Conditions Operation/Application Shielded No Circuit Application With Mount, Panel Mount Board	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 Housing Material Dimensions PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range 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) 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 Housing Features 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 A0 – 70 °C[.40 – 158 °F] Operation/Application Shielded No Circuit Application Signal	Panel Mount Feature Type	Panel Stops
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) Housing Color Housing Material PCB Thickness (Recommended) Connector Height Usage Conditions Operating Temperature Range Operation/Application Side 1.02 mm[.04 in] High Temperature Thermoplastic High Temperature Thermoplastic 1.57 mm[.062 in] 12.4 mm[.488 in] Operation/4pplication 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 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 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) 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	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 Operation/Application Shielded No Circuit Application 12.4 mm[.488 in] -40 – 70 °C[-40 – 158 °F] No 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>

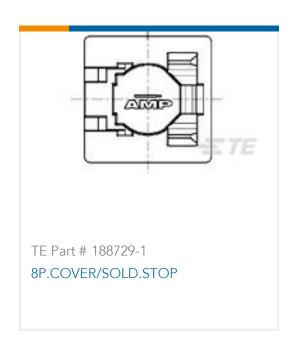
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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



















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