TE Internal #: 6116173-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs,

Standard Connector Contact Density, Jack, Shielded, Cat 5,

Inverted - Latch Up

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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	PCB and Panel Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Status Indicator Type	LED
Panel Ground Location	Top and Side, Top
Number of PCB Ground Tabs	2
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8



Body Features LED Color (Bottom Left) Green Insulator Material Polyester IFD Color (Bottom Right) Yellow PCB Ground Tab Location 3.43 mm[.135 in] Shield Plating Material Tin Shield Material Copper Alloy Modular Jack Latch Orientation Inverted Latch Up Connector Profile Standard Contact Features Contact Tentination Area Plating Material Tin Contact Tentination Area Plating Material Tin Contact Current Rating (Max) I.5 A Contact Maring Area Plating Material Gold: Contact Maring Area Plating Material Gold: Contact Maring Area Plating Material Phosphor Bronze Contact Maring Area Plating Material I Phickness I.27 µm[50 µin] Termination Peatures Termination Peat & Tall Length 3.05 mm[.12 in] Mechanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Illousing Material Themps (Recommended) 1.57 mm[.052 in] Connector Height 1.57 mm[.052 in] Connector Height 1.57 mm[.052 in]		
Insulator Material Polyester IFD Color (Bottom Right) Pellow PCB Ground Tab Location Sight) Pellow PCB Ground Tab Location Company Material Copper Alloy Modular Jack Latch Orientation Inverted - Latch Up Shield Material Contact Profile Standard Contact Profile Standard Contact Underplating Material Nickel PCB Contact Tennination Area Plating Material Tim Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Thickness 127 µm(50 µin) Termination Method to Printed Circuit Board Through Hole - Solder Termination Post & Tall Length John Method to Printed Circuit Board Through Hole - Solder Termination Post & Tall Length With Mechanical Attachment Panel Mount Teature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Contactine (Pitch) 102 mm(04 in) Housing Color Black Though Material Thempolastic Dimensions PCB Thickness (Recommended) 1.57 mm(062 in)	PCB Mount Orientation	Right Angle
Insulator Material Polyester LED Color (Bottom Right) Yellow PCB Ground Tab Location -34/3 mml-135 in] Shield Plating Material Tin Shield Plating Material Copper Alloy Modular Jack Latch Orientation Inverted - Latch Up Connector Profile Standard Contact Features Contact I emination Area Plating Material Inin Contact Adaing Area Plating Material Inin Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Thickness 1,27 pm/50 pin] Termination Features Termination Method to Printed Circuit Board Through Hole - Solder Termination Post & Tail Length Method Inin Method to Printed Circuit Board Through Hole - Solder Termination Post & Tail Length With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centedline (Pitch) 1,02 mml (04 in) Housing Color Black Liosing Material Themperature Thermoplastic Dimensions PCB Thickness (Recommended) 1,57 mml (062 in) Connector Height 13,35 mml,525 in]	Body Features	
LED Color (Bottem Right) PCR Ground Lab Location -3.43 mm -135 in Shield Plating Material Shield Plating Material Modular Jack Latch Orientation Inverted Latch Up Connector Profile Standard Contact Features Contact Termination Area Plating Material PCB Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Thickness Termination Features Termination Post & Tail Length Machanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Feature Mating Entry Location Side Centerline (Pitch) Housing Color Illousing Material Dimensions PCB Thickness (Recommended) 1.57 mml.062 in 1.33 mml.525 in	LED Color (Bottom Left)	Green
PCB Ground Tab Location 3.43 mm(.135 in) Shield Plating Material Tin Shield Material Copper Alloy Modular Jack Latch Orientation Inverted Latch Up Connector Profile Standard Contact Features Contact Underplating Material Nickel PCB Contact Termination Area Plating Material Tin Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Thickness 1.27 µm(50 µin) Termination Features Termination Peatures Termination Post & Tail Length 3.05 mm(.12 in) Mechanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Features Mating Entry Location Side Centerline (Pitch) 1.02 mm(.04 in) Housing Color Housing Material Hickness (Recommended) 1.57 mm(.062 in) Connector Height 13.35 mm(.525 in)	Insulator Material	Polyester
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Shield Material Copper Alloy Modular Jack Latch Orientation Inverted - Latch Up Connector Profile Standard Contact Features Contact Underplating Material Nickel PCB Contact Tormination Area Plating Material Tin Contact Current Rating (Max) 1.5 A Contact Mating Area Plating Material Phosphor Bronze Contact Base Material Phosphor Bronze Contact Mating Area Plating Material Thickness 1.27 µm[50 µin] Termination Features Termination Method to Printed Circuit Board Through Hole - Solder Termination Post & Tail Length 3.05 mm[.12 in] Mechanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 1.3.35 mm[.525 in]	PCB Ground Tab Location	-3.43 mm[135 in]
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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 Printed Circuit Board Through Hole - Solder Termination Post & Tail Length Mechanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Material Housing Material Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 1.3.35 mm[.525 in]	PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness Termination Features Termination Method to Printed Circuit Board Termination Post & Tail Length Mechanical Attachment Panel Mount Feature With Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material Housing Material Panel Mount Black High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) Connector Height 13.35 mm[.525 in]	Contact Mating Area Plating Material	Gold
Termination Features Termination Method to Printed Circuit Board Through Hole - Solder Termination Post & Tail Length 3.05 mm[.12 in] Mechanical Attachment Panel Mount Feature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 13.35 mm[.525 in]	Contact Base Material	Phosphor Bronze
Termination Method to Printed Circuit Board Termination Post & Tail Length Mechanical Attachment Panel Mount Feature Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material PCB Thickness (Recommended) Connector Height Through Hole - Solder 3.05 mm[.12 in] With Panel Mount Panel Mount Panel Mount Panel Mount Panel Mount High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height	Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Termination Post & Tail Length Mechanical Attachment Panel Mount Feature Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material Panel Mount Black High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) Connector Height 1.37 mm[.062 in]	Termination Features	
Panel Mount Feature With Connector Mounting Type Panel Mount Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 13.35 mm[.525 in]	Termination Method to Printed Circuit Board	Through Hole - Solder
Panel Mount Feature Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material PCB Thickness (Recommended) Connector Height With Panel Mount Pan	Termination Post & Tail Length	3.05 mm[.12 in]
Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Housing Color Housing Material PCB Thickness (Recommended) Connector Height Panel Mount Side 1.02 mm[.04 in] Housing Material High Temperature Thermoplastic 1.57 mm[.062 in] 13.35 mm[.525 in]	Mechanical Attachment	
Housing Features Mating Entry Location Side Centerline (Pitch) 1.02 mm[.04 in] Housing Color Black Housing Material High Temperature Thermoplastic Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Connector Height 13.35 mm[.525 in]	Panel Mount Feature	With
Mating Entry Location Centerline (Pitch) Housing Color Housing Material PCB Thickness (Recommended) Connector Height Side 1.02 mm[.04 in] High Temperature Thermoplastic 1.57 mm[.062 in] 13.35 mm[.525 in]	Connector Mounting Type	Panel Mount
Centerline (Pitch) Housing Color Black Housing Material PCB Thickness (Recommended) Connector Height 1.02 mm[.04 in] High Temperature Thermoplastic 1.57 mm[.062 in] 13.35 mm[.525 in]	Housing Features	
Housing Color Housing Material High Temperature Thermoplastic PCB Thickness (Recommended) Connector Height Black High Temperature Thermoplastic 1.57 mm[.062 in] 13.35 mm[.525 in]	Mating Entry Location	Side
Housing Material PCB Thickness (Recommended) Connector Height High Temperature Thermoplastic 1.57 mm[.062 in] 13.35 mm[.525 in]	Centerline (Pitch)	1.02 mm[.04 in]
Dimensions PCB Thickness (Recommended) Connector Height 1.57 mm[.062 in] 13.35 mm[.525 in]	Housing Color	Black
PCB Thickness (Recommended) Connector Height 1.57 mm[.062 in] 13.35 mm[.525 in]	Housing Material	High Temperature Thermoplastic
Connector Height 13.35 mm[.525 in]	Dimensions	
	PCB Thickness (Recommended)	1.57 mm[.062 in]
Usage Conditions	Connector Height	13.35 mm[.525 in]
	Usage Conditions	



Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Performance Category	Cat 5
Packaging Features	
Packaging Quantity	63
Packaging Method	Box, Box & Tray
Other	
Modular Jacks & Plugs Comment	Recommended applications: Fast Ethernet, 10Base-T Ethernet, and 10/100 Base-T Ethernet (Cat 5 on two pair 1/2, 3/6).

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	Wave solder capable to 265°C

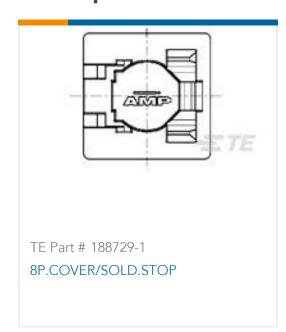
Product Compliance Disclaimer

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

Product Drawings

INV MJ.1X1,PNL GRD,SHLD,LED (G/Y)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6116173-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6116173-1_A.3d_igs.zip



English

Customer View Model

ENG_CVM_CVM_6116173-1_A.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

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English