

1-406541-1 ✓ ACTIVE

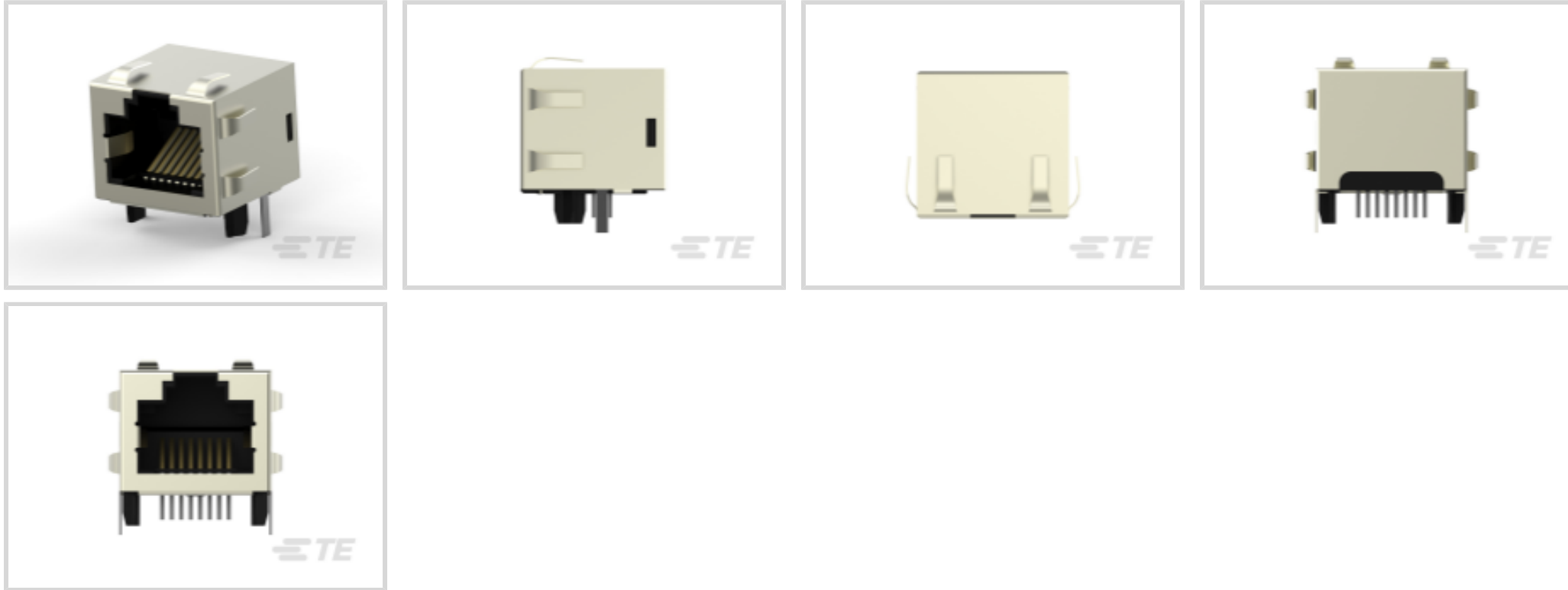
TE Internal #: 1-406541-1

RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Inverted - Latch Up, 8 Position, Standard Profile, Through Hole - Solder, Right Angle

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

Configuration Features

Number of PCB Ground Tabs	2
Panel Ground Location	Top, Top and Side
Number of Panel Ground Tabs	6
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
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Signal Characteristics

Data Rate	.01 Gb/s, .1 Gb/s
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Body Features

Shield Plating Material	Nickel
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Shield Plating Finish	Satin
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Shield Material	Copper Alloy
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PCB Ground Tab Location	-3.43 mm[-.135 in]
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Modular Jack Latch Orientation	Inverted - Latch Up
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Connector Profile	Standard
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Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Matte
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PCB Contact Termination Area Plating Material	Tin
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Contact Current Rating (Max)	.2 A, 1.5 A
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Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material Thickness	.38 μ m[15 μ in]
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	2.54 mm[.1 in]
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Mechanical Attachment

Panel Mount Feature	Without
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Connector Mounting Type	Panel Mount
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Housing Features

Mating Entry Location	Side
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Centerline (Pitch)	1.02 mm[.04 in]
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Housing Color	Black
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Housing Material	High Temperature Thermoplastic
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Connector Height	13.34 mm[.525 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 5

Packaging Features

Packaging Quantity	441
Packaging Method	Box & Tray, Tray

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

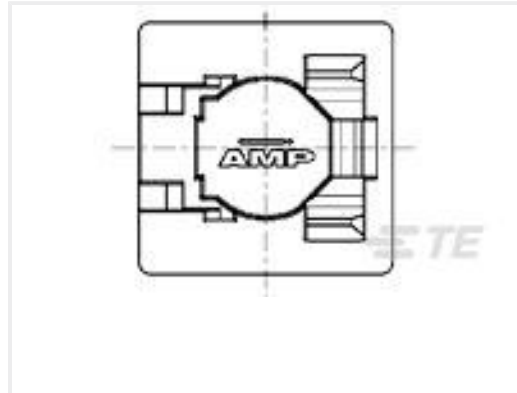
Product Compliance Disclaimer

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



TE Part # CAT-Z16-DM
DISCR.ETH.MAG



TE Part # 188729-1
8P.COVER/SOLD.STOP

Customers Also Bought



TE Part #5-147424-6
12 MODII VRT DR CE .100 X .100



TE Part #1-177662-2
D3100 HDR,5POS SINGLE ROW SMT
H PdNi



TE Part #1-188685-2
STD TIMER PCB CONTACT



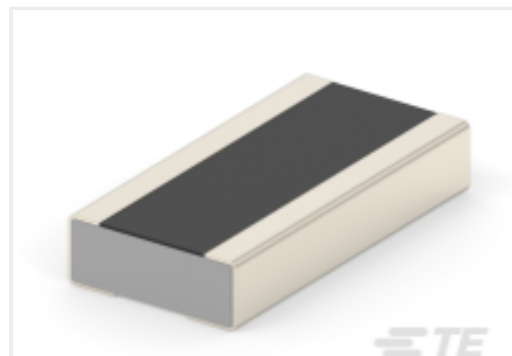
TE Part #796136-1
ASSY, SMT BATTERY CONN



TE Part #CAT-C339-SQ1
Wirewound Resistor: Vertical Mount



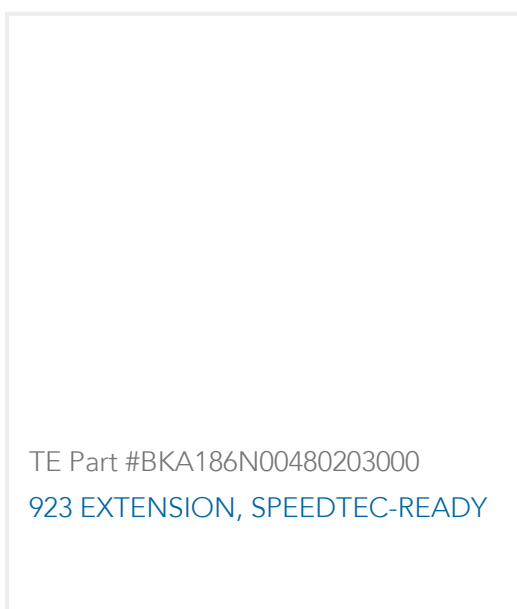
TE Part #2176054-4
RLP73M 2A R068 5% 5K RL



TE Part #2176542-9
RLW73P B2 1% R047 200ppm 1k RL



TE Part #6609021-5
3VB1=F7124 S0



TE Part #BKA186N00480203000
923 EXTENSION, SPEEDTEC-READY

Documents

Product Drawings

[MJ,INV,1X1,6PNL G,.100"ST,SN](#)

English

CAD Files

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_1-406541-1_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-406541-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-406541-1_L.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

[1-1773464-9_MODULAR_JACKS_SINGLE_PORT_PCB_MOUNT](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English