

215877-1 ✓ ACTIVE

Alcoswitch SE

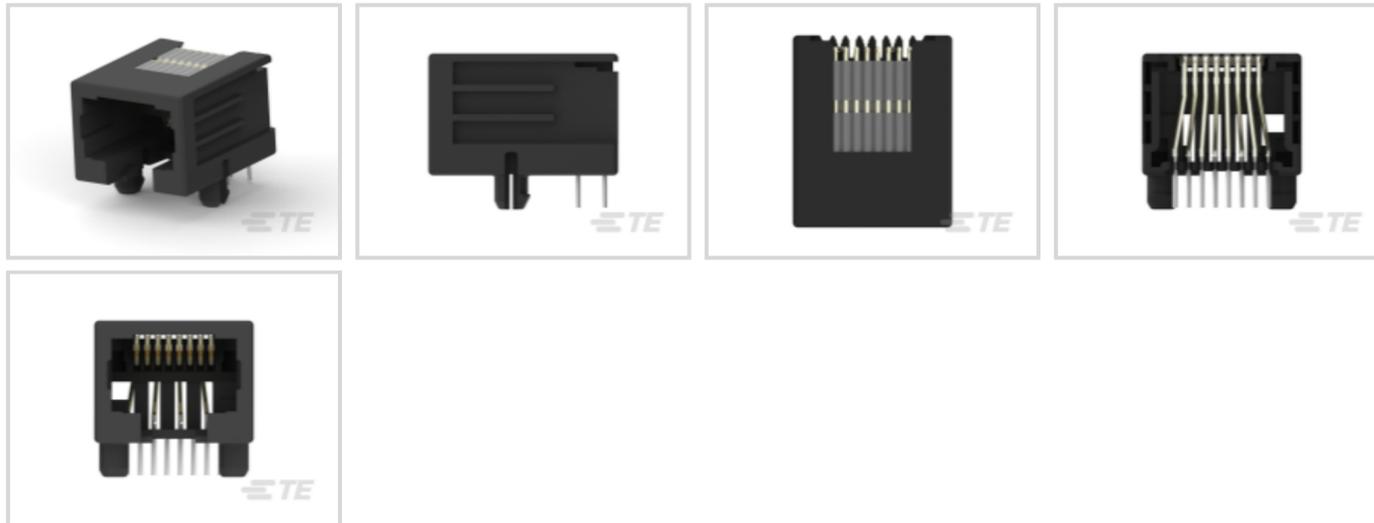
TE Internal #: 215877-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack, Cat 3, Alcoswitch SE

[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



Modular Jack Latch Orientation	Standard - Latch Down
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Connector Profile	Low
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Contact Features

PCB Contact Termination Area Plating Material	Tin
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Contact Current Rating (Max)	1.5 A
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Contact Mating Area Plating Material	Nickel
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material Thickness	1.27 μm [50 μin]
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post & Tail Length	3 mm[.118 in]
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Mechanical Attachment

Panel Mount Feature	Without
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Connector Mounting Type	Board 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	PBT
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Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Connector Height	11.5 mm[.453 in]
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Usage Conditions

Operating Temperature Range	-40 – 70 $^{\circ}\text{C}$ [-40 – 158 $^{\circ}\text{F}$]
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Performance Category	Cat 3
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Packaging Features



Packaging Quantity	1400
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Packaging Method	Reel
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Other

Modular Jacks & Plugs Comment	On any modular jack, Terminal No. 1 is the terminal to the extreme left as you face the jack opening, tab notch down.
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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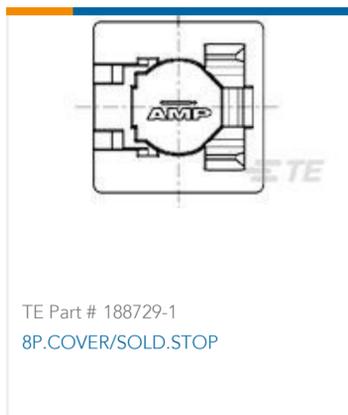
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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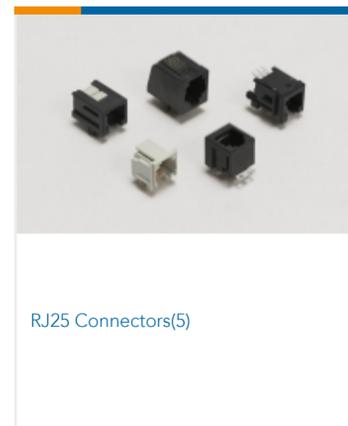
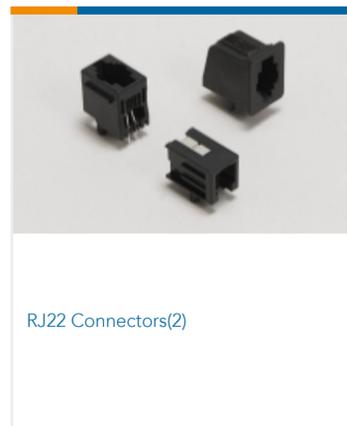
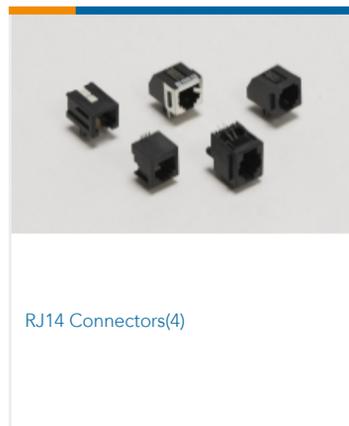
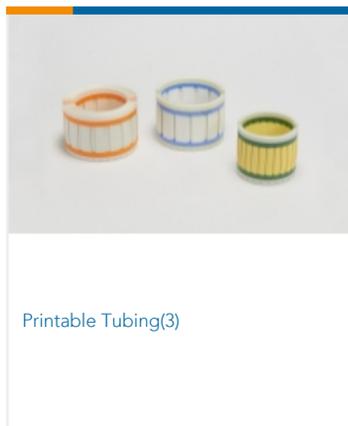
Product Compliance Disclaimer

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



Also in the Series | Alcoswitch SE



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_215877-1_P.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_215877-1_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_215877-1_P.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

[side entry, top entry and bottom entry modular jacks](#)

English

Application Specification

English

Product Environmental Compliance

[MD_215877-1_04172018246_dmtec](#)

English

[MD_215877-1_04172018246_dmtec](#)

English

Agency Approvals

[UL Report](#)

English