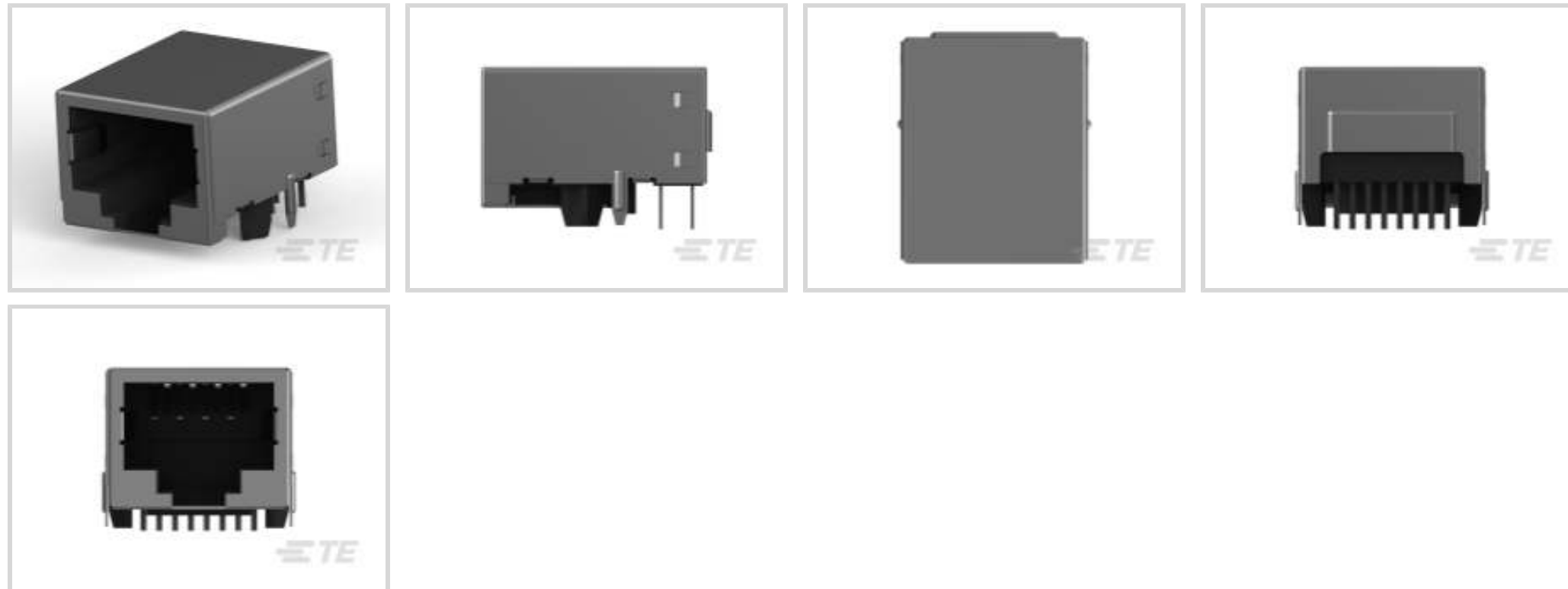# 1116503-2 ✔ ACTIVE

OEG Miniature Relay PCF

TE Internal #: 1116503-2

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs,
Standard Connector Contact Density, Jack, Shielded, Cat 5, OEG
Miniature Relay PCF

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 Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Status Indicator Type	None
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

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RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
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PCB Mount Orientation	Right Angle

Body Features

PCB Ground Tab Location	-3.05 mm[-.12 in]
Shield Plating Material	Tin
Shield Material	Copper Zinc Alloy
Modular Jack Latch Orientation	Standard - Latch Down
Connector Profile	Low

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.2 A, 1.5 A
Contact Mating Area Plating Material	Gold
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	3.48 mm[.137 in]

Mechanical Attachment

Panel Mount Feature	Without
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 Nylon

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.58 mm[.377 in]

Usage Conditions

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

Operation/Application

Shielded	Yes

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Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	396
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>

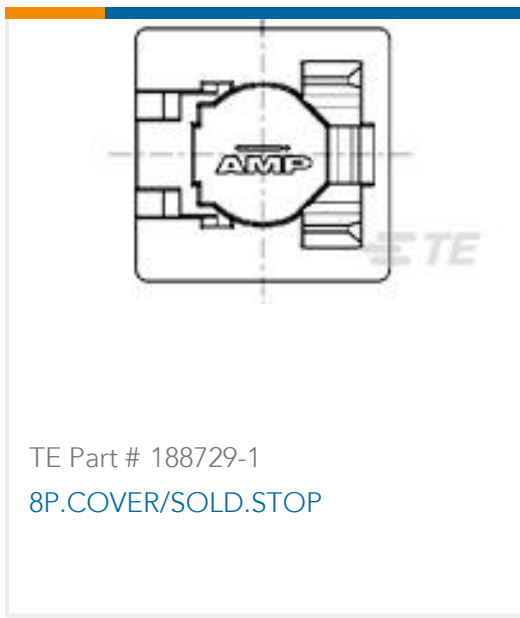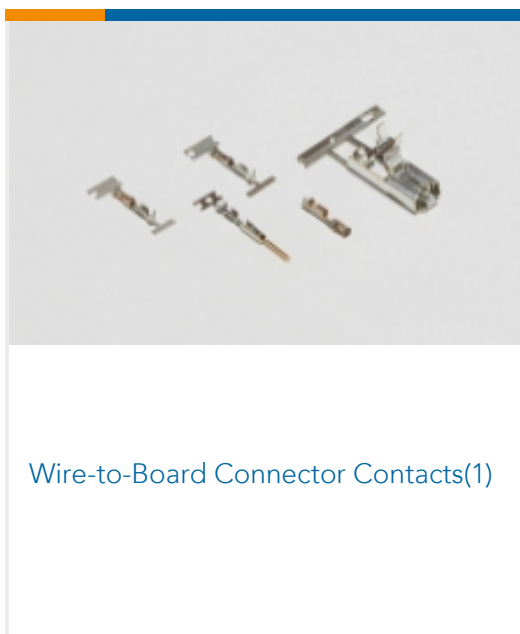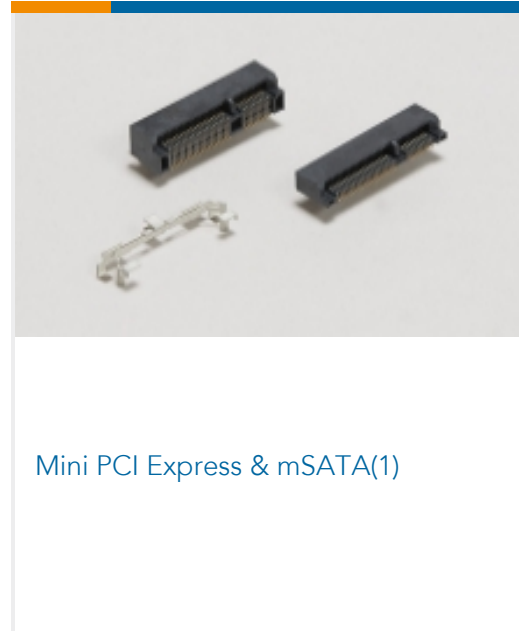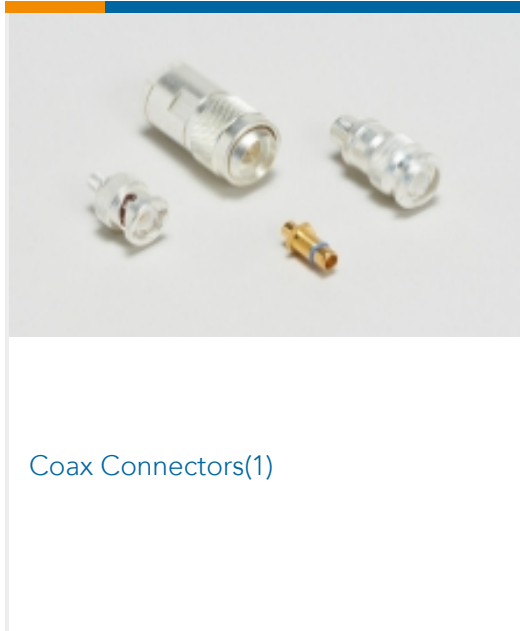| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does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

1116503-2

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5, OEG Miniature Relay PCF

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

Also in the Series | OEG Miniature Relay PCF

Coax Connectors(1)

Combo Jacks(1)

IDC D-Sub Connectors(1)

Mini PCI Express & mSATA(1)

RJ14 Connectors(2)

RJ22 Connectors(1)

RJ25 Connectors(8)

RJ45 Connectors(69)

Wire-to-Board Connector Contacts(1)

Customers Also Bought

TE Part #5-104071-4
20 SYSTEM 50 HDR SRST SHRD SN

TE Part #1-172169-9
9 POS TR MINI UNIV

TE Part #3-2199250-5
TYPE C 3.8H SPRING FINGER

TE Part #1676329-2
RN 0805 3K57 0.1% 10PPM 1KRL

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RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack, Shielded, Cat 5, OEG Miniature Relay PCF

TE Part #5-2271101-1
SCSI .050 REC ASS'Y 50P PB-FREE

TE Part #2-2271101-1
SCSI .050 REC ASS'Y 20P PB-FRE

TE Part #1721260-5
OJ-SS-112LMH2

TE Part #1-1721260-1
OJ-SH-112LMH2

TE Part #2029028-6
6P PLUG VAL-U-LOK FH V0 BLK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1116503-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1116503-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1116503-2_J.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

Product Environmental Compliance

Product Compliance Document

English

1116503-2

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5, OEG Miniature Relay PCF

Product Compliance Document

English