

1955491-1 ✓ ACTIVE



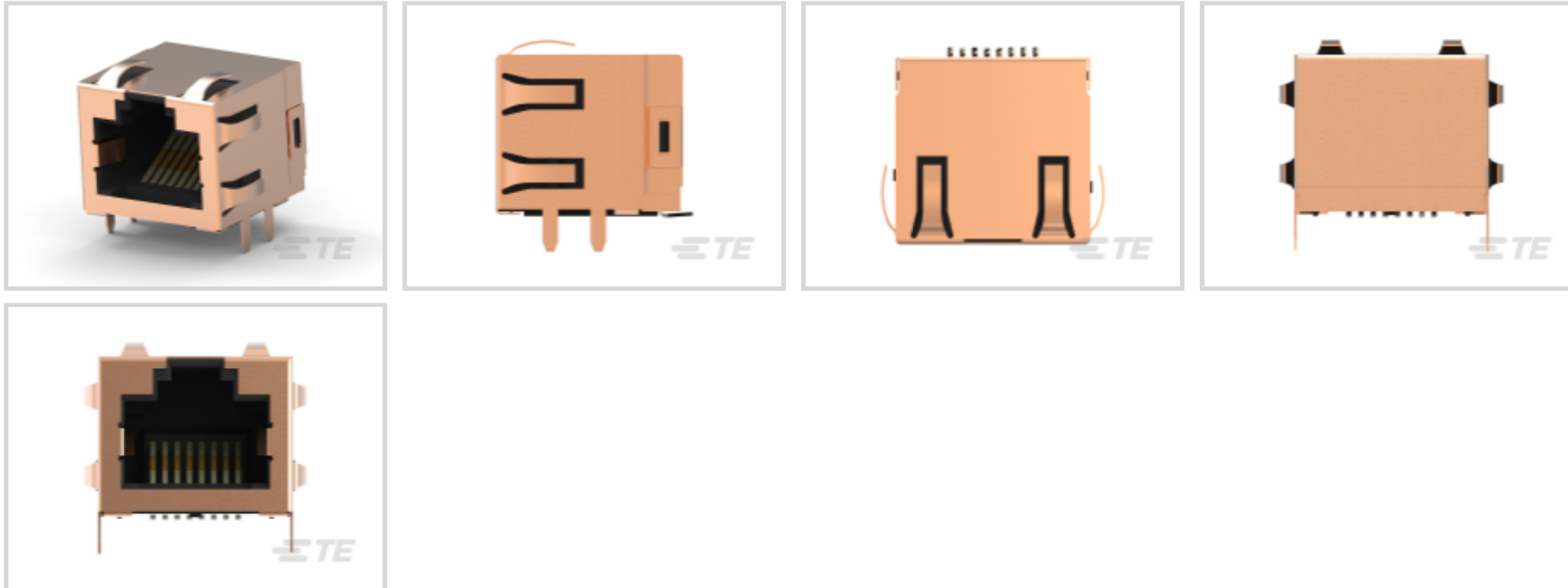
OEG Miniature Relay PCF

TE Internal #: 1955491-1

RJ45 Connector, Single Port, 1 x 1, Standard Connector Contact Density, Jack, Shielded, Cat 3, Inverted - Latch Up, 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 and Panel Ground |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|-------------|
| Number of PCB Ground Tabs | 4 |
| 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

| | |
|--------------------------------|---------------------|
| Shield Plating Material | Tin |
| Shield Material | Brass |
| 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 | Gold |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | 1.27 μm [50 μin] |

Termination Features

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

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 Thermoplastic |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 13.35 mm[.525 in] |
|------------------|-------------------|

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature Range | -40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$] |
|-----------------------------|---|

Operation/Application

| | |
|---------------------|-----------------|
| Indicator Type | Not Illuminated |
| Shielded | Yes |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|



| | |
|----------------------|-------|
| Performance Category | Cat 3 |
|----------------------|-------|

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 180 |
| Packaging Method | Tape & Reel |

Product Compliance

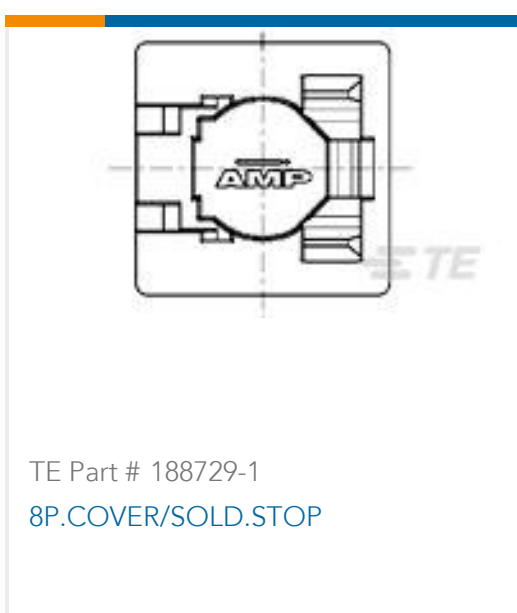
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed for solder process capability |

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 | OEG Miniature Relay PCF



Combo Jacks(1)



Connector Contacts(1)



IDC D-Sub Connectors(1)



Mini PCI Express & mSATA(1)



RJ14 Connectors(2)



RJ22 Connectors(1)



RJ25 Connectors(8)



RJ45 Connectors(69)

Customers Also Bought



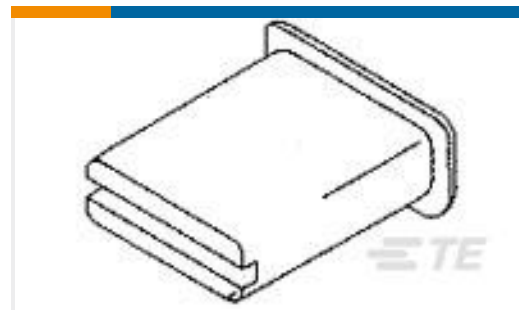
TE Part #440055-8
2.0MM,HDR,8POS,R/A



TE Part #3-2343522-3
SFP56 STACKED 2X2 RECEPTACLE ASSEMBLY



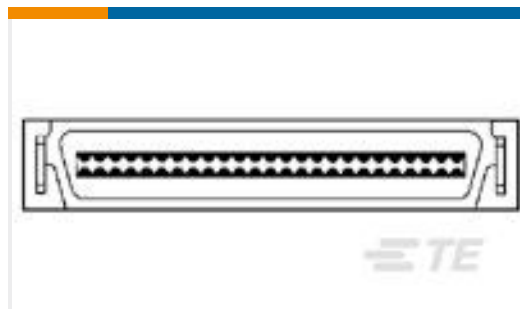
TE Part #1971845-3
3P, RAST 5 Tab Header, THV



TE Part #360042-1
250 FASTON HSG.,TAB,NATURAL



TE Part #5-1971846-2
2P, RAST 5 Tab Header, THV



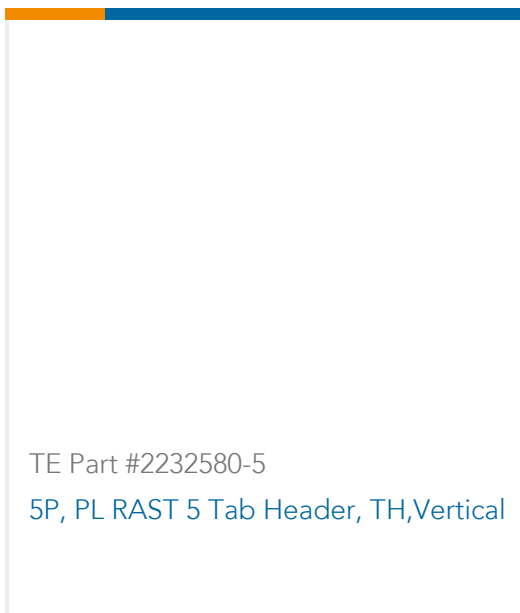
TE Part #1-1734331-7
RCPT ASSY,CHAMP 050,SER I,68P



TE Part #3-1734577-2
MOD-JK,8P8C,SHD W/O LED, 15u" Au



TE Part #4-1971846-2
2P, RAST 5 Tab Header, THV



TE Part #2232580-5
5P, PL RAST 5 Tab Header, TH,Vertical



Documents

Product Drawings

[MJ,RJ45,SMT,SHLD,THRU HOLE SHIELD TABS](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1955491-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1955491-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1955491-1_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English