

5406562-1 ✓ ACTIVE

## OEG Miniature Relay PCF

TE Internal #: 5406562-1

RJ45 Connector, Multiple Ports, 1 x 2, Standard Connector Contact Density, Jack, Shielded, Cat 4, Standard - Latch Down, OEG Miniature Relay PCF

[View on TE.com >](#)



Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**

Port Configuration: **Multiple Ports**

Port Matrix Configuration: **1 x 2**

Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**

Connector Contact Density: **Standard**

### Features

#### Product Type Features

|                                    |                       |
|------------------------------------|-----------------------|
| 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 |
| Connector Product Type             | Connector Assembly    |

#### Configuration Features

|                            |                |
|----------------------------|----------------|
| Port Configuration         | Multiple Ports |
| Port Matrix Configuration  | 1 x 2          |
| Connector Contact Density  | Standard       |
| Number of Positions        | 8              |
| Number of Loaded Positions | 8              |
| PCB Mount Orientation      | Right Angle    |
| Number of PCB Ground Tabs  | 2              |



|                             |        |
|-----------------------------|--------|
| Number of Panel Ground Tabs | 9      |
| Multiple Port Configuration | Ganged |

### Operation/Application

|                     |              |
|---------------------|--------------|
| Shielded            | Yes          |
| Circuit Application | Signal       |
| Indicator Type      | No Indicator |

### Industry Standards

|                        |          |
|------------------------|----------|
| Performance Category   | Cat 4    |
| UL Flammability Rating | UL 94V-0 |

### Body Features

|                                |                       |
|--------------------------------|-----------------------|
| Modular Jack Latch Orientation | Standard - Latch Down |
| Connector Profile              | Standard              |
| Shield Plating Material        | Tin over Copper       |
| Shield Material                | Copper Zinc Alloy     |
| PCB Ground Tab Location        | 4.57 mm[.18 in]       |

### Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Method to PCB      | Through Hole - Solder |
| Termination Post & Tail Length | 3.56 mm[.14 in]       |

### Housing Features

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

### Contact Features

|  |                           |
|--|---------------------------|
| Contact Current Rating (Max)                   | 1.5 A, .2 A               |
| Contact Mating Area Plating Material           | Gold                      |
| Contact Base Material                          | Phosphor Bronze           |
| Contact Mating Area Plating Material Thickness | 1.27 $\mu$ m[50 $\mu$ in] |
| Contact Underplating Material                  | Nickel                    |
| PCB Contact Termination Area Plating Material  | Tin                       |

### Mechanical Attachment

|                         |                          |
|-------------------------|--------------------------|
| Connector Mounting Type | Panel Mount, Board Mount |
|-------------------------|--------------------------|



|                     |         |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

### Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 13.97 mm[.55 in] |
|------------------|------------------|

### Packaging Features

|                  |                 |
|------------------|-----------------|
| Packaging Method | Box, Box & Tray |
|------------------|-----------------|

|                    |     |
|--------------------|-----|
| Packaging Quantity | 225 |
|--------------------|-----|

### Usage Conditions

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

### Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
|--------------------|-----------|

|                   |           |
|-------------------|-----------|
| EU ELV Compliance | Compliant |
|-------------------|-----------|

## 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
|--|---|

|                 |  |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

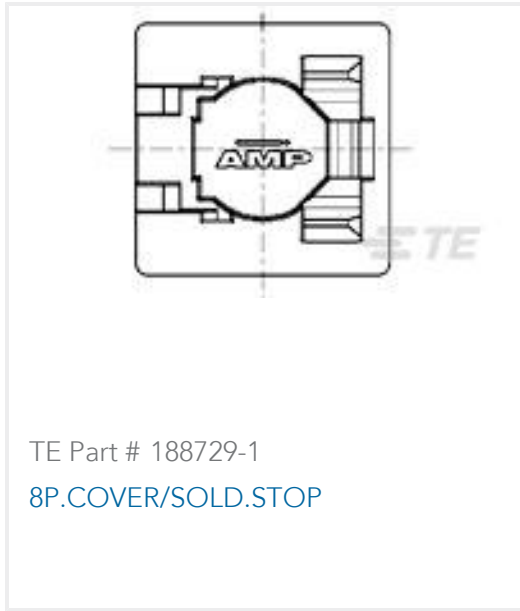
|                           |                              |
|---------------------------|------------------------------|
| Solder Process Capability | Wave solder capable to 265°C |
|---------------------------|------------------------------|

#### Product Compliance Disclaimer

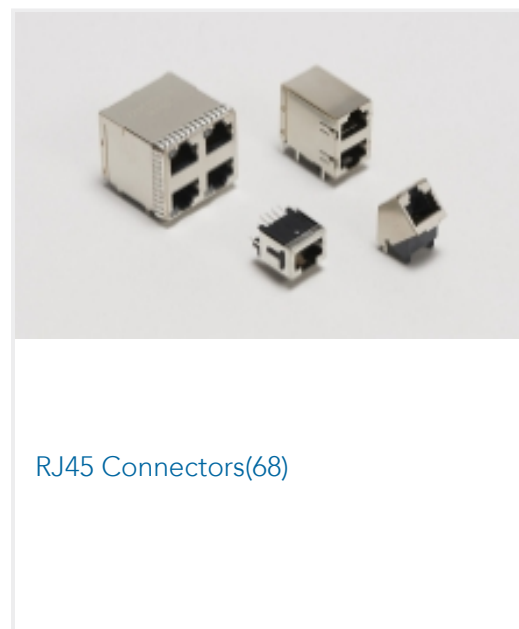
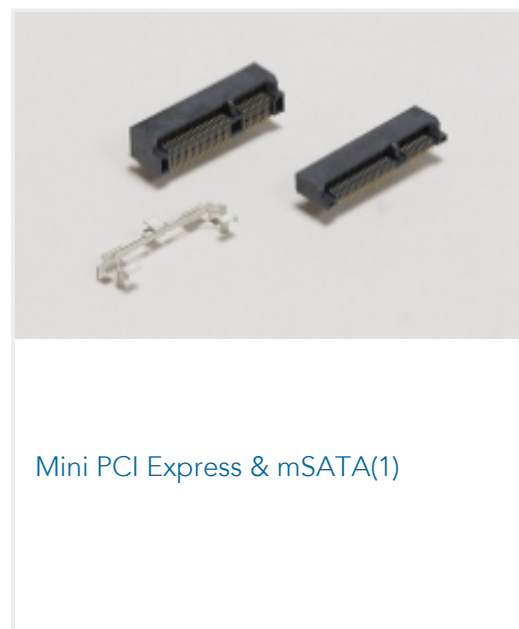
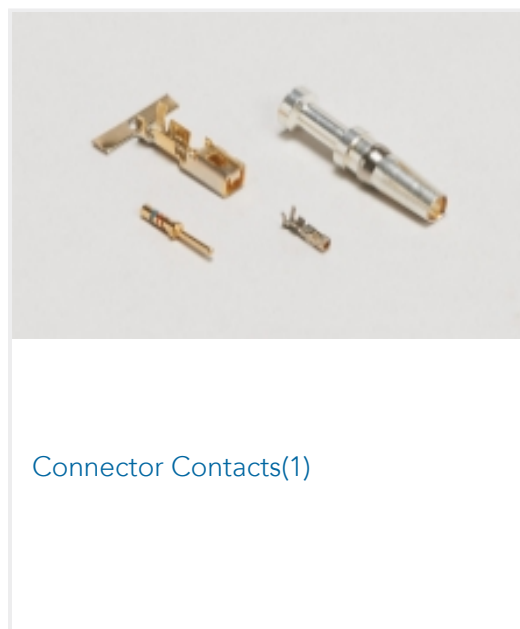
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>



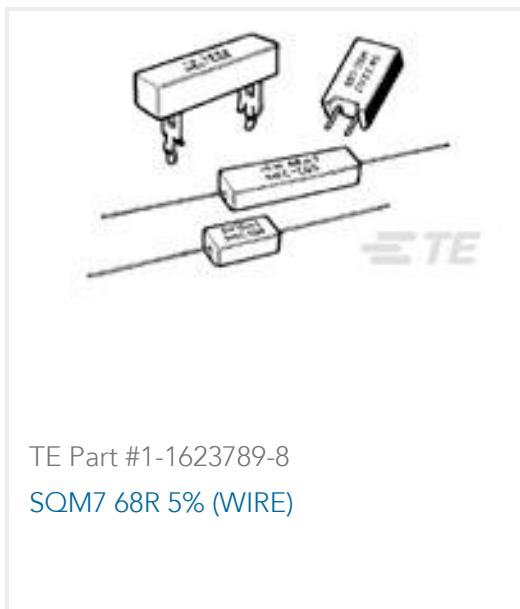
### Compatible Parts



### Also in the Series | OEG Miniature Relay PCF



### Customers Also Bought





## Documents

### Product Drawings

[MJ ASSY,2PORT,8POS,SHLD](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5406562-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5406562-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5406562-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

[Application Specification](#)

English