



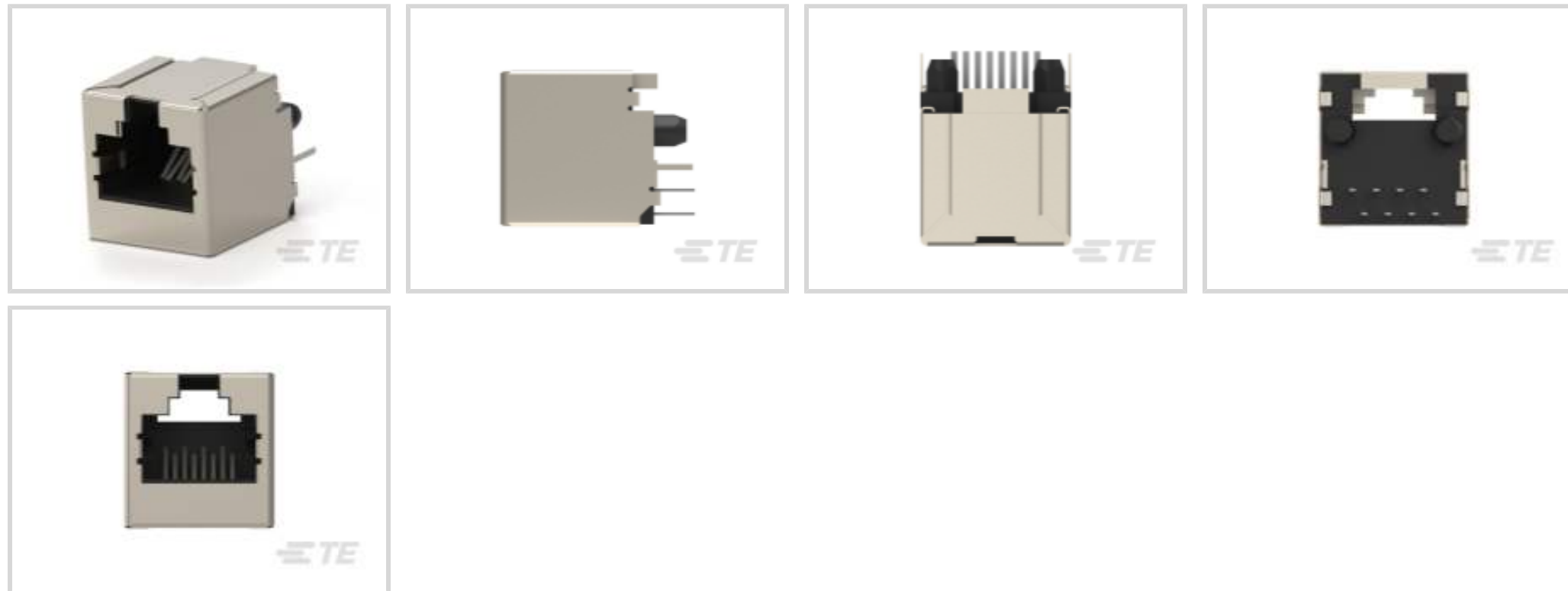
**CGS TE**

TE Internal #: 6368150-2

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack, Shielded, Cat 5, CGS TE

[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           |
| PCB Mount Orientation      | Vertical    |



### Body Features

|                                |                     |
|--------------------------------|---------------------|
| PCB Ground Tab Location        | 3.89 mm[.153 in]    |
| Shield Plating Material        | Tin                 |
| Shield Material                | Copper Zinc Alloy   |
| 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 |
|   | 50 µin          |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post & Tail Length              | 3.99 mm[.157 in]      |

### Mechanical Attachment

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

### Housing Features

|                       |                 |
|-----------------------|-----------------|
| Mating Entry Location | Top             |
| Centerline (Pitch)    | 1.02 mm[.04 in] |
| Housing Color         | Black           |
| Housing Material      | Thermoplastic   |

### Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.4 mm[.055 in]   |
| Connector Height            | 16.58 mm[.653 in] |

### Usage Conditions

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

### Operation/Application

|          |     |
|----------|-----|
| Shielded | Yes |
|----------|-----|



Circuit Application

Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

Performance Category

Cat 5

### Packaging Features

Packaging Method

Box, Box &amp; Tube

### 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: JAN 2023 (233)  
 Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

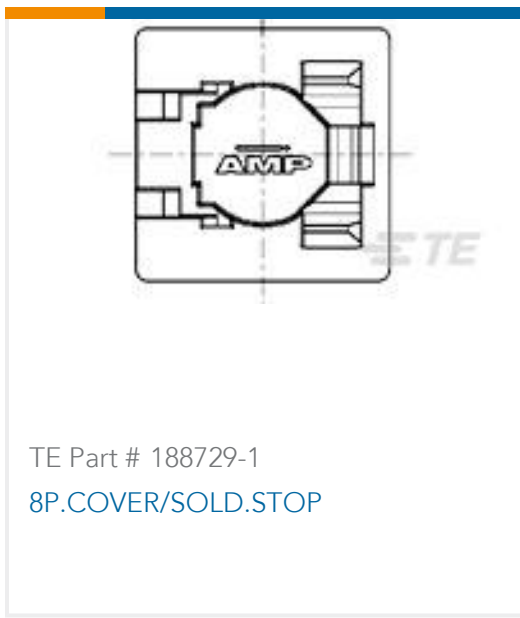
Solder Process Capability

Wave solder capable to 265°C

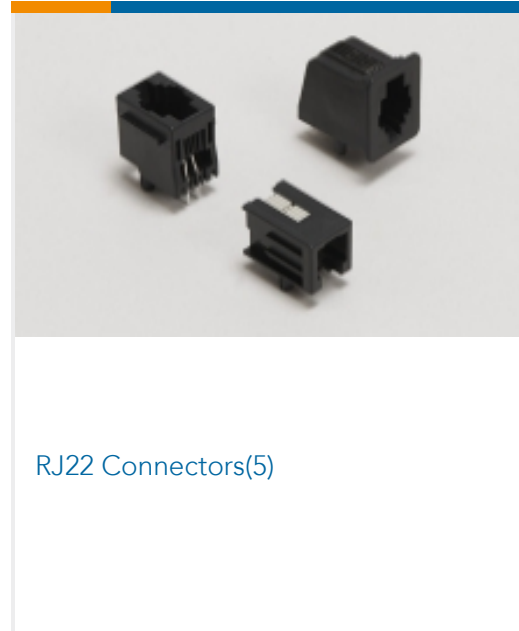
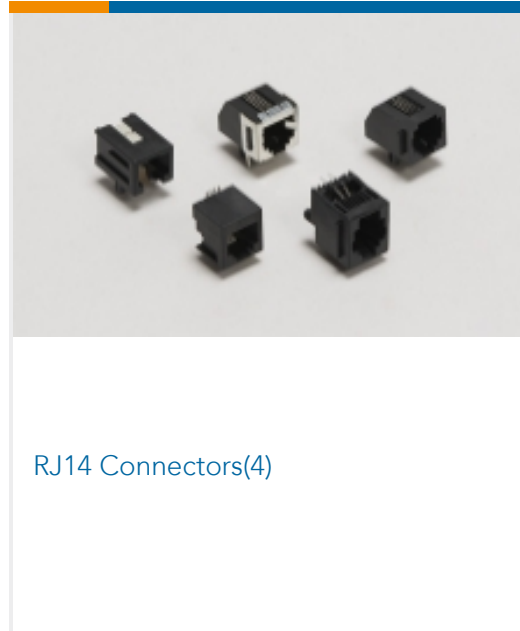
#### Product Compliance Disclaimer

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>

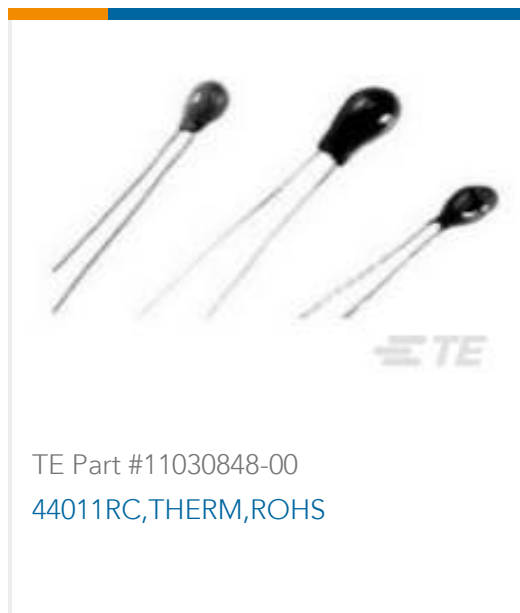
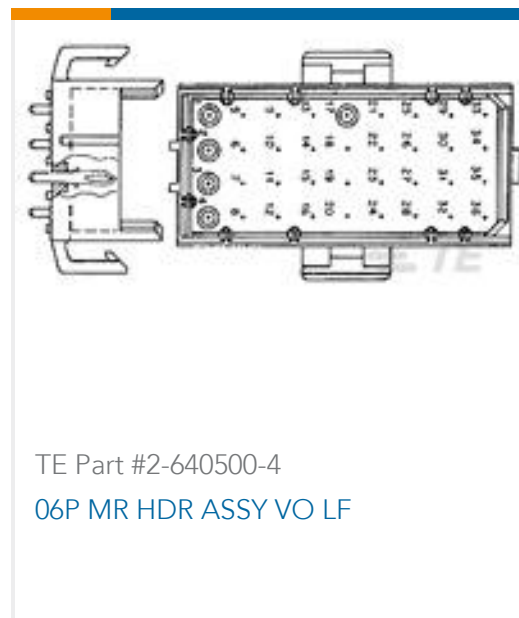
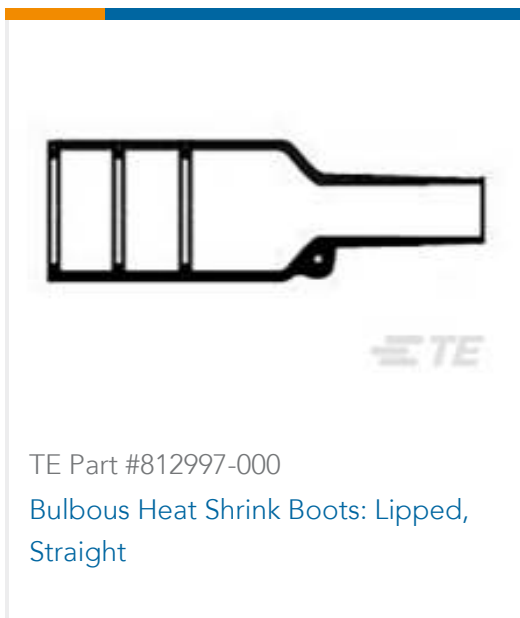
### Compatible Parts



### Also in the Series | CGS TE



### Customers Also Bought





## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6368150-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6368150-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6368150-2\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

#### Product Specification

English