

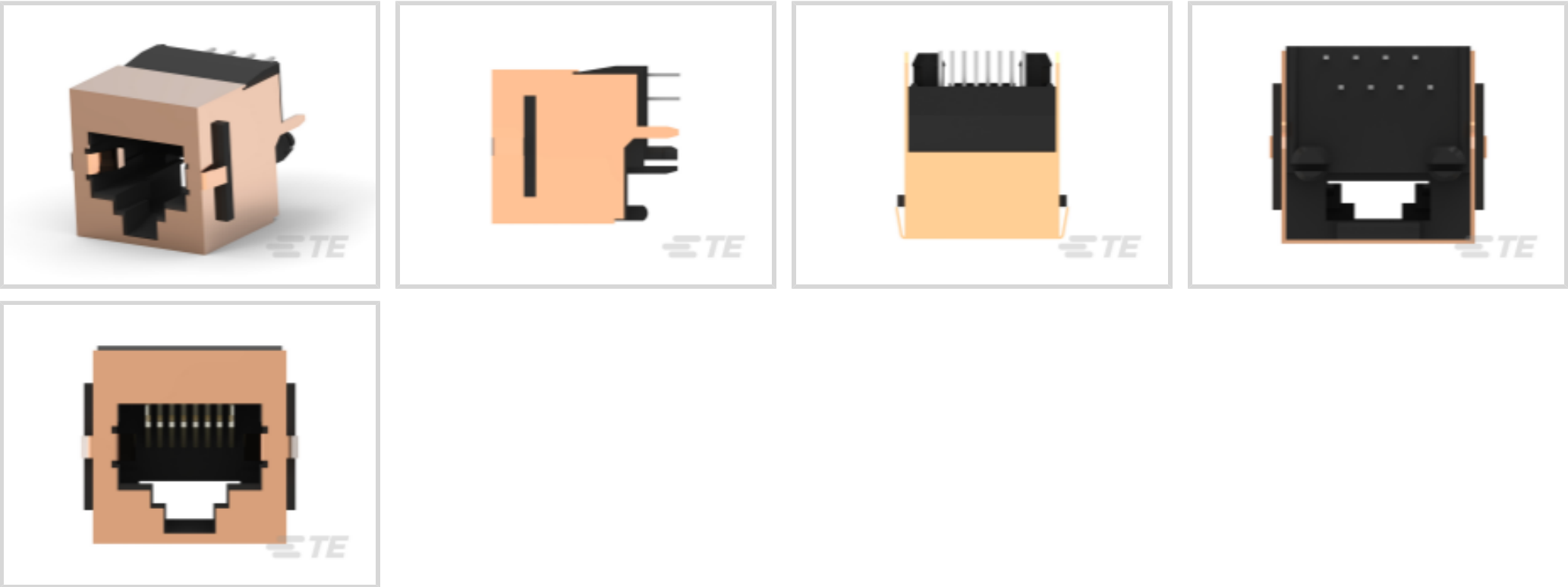


CGS TE

TE Internal #: 5406436-1  
CGS TE, RJ45 Connectors, RJ45, Single Port, Port Matrix  
Configuration 1 x 1, RJ Type Jacks & Plugs, Standard Connector  
Contact Density, Jack, Shielded

[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

|                                        |                       |
|----------------------------------------|-----------------------|
| Connectors & Connector Components Type | Connector             |
| 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 | 2           |
| Port Configuration        | Single Port |
| Port Matrix Configuration | 1 x 1       |
| Connector Contact Density | Standard    |
| Status Indicator Type     | None        |
| Number of Positions       | 8           |



|                            |          |
|----------------------------|----------|
| Number of Loaded Positions | 8        |
| PCB Mount Orientation      | Vertical |

Body Features

|                                |                       |
|--------------------------------|-----------------------|
| PCB Ground Tab Location        | 2.95 mm[.116 in]      |
| Shield Plating Material        | Tin                   |
| Shield Material                | Copper Alloy          |
| Modular Jack Latch Orientation | Standard - Latch Down |
| Connector Profile              | Standard              |

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              | 3.18 mm[.125 in]      |

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| Panel Mount Feature      | With        |
| Panel Mount Feature Type | Panel Stops |
| Connector Mounting Type  | Panel Mount |

Housing Features

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

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Connector Height            | 16.64 mm[.655 in] |

Usage Conditions

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



Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | Yes    |
| Circuit Application | Signal |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
| Performance Category   | Cat 3    |

Packaging Features

|                    |                  |
|--------------------|------------------|
| Packaging Quantity | 128              |
| Packaging Method   | Box & Tray, Tray |

Product Compliance

For compliance documentation, visit the product page on TE.com>

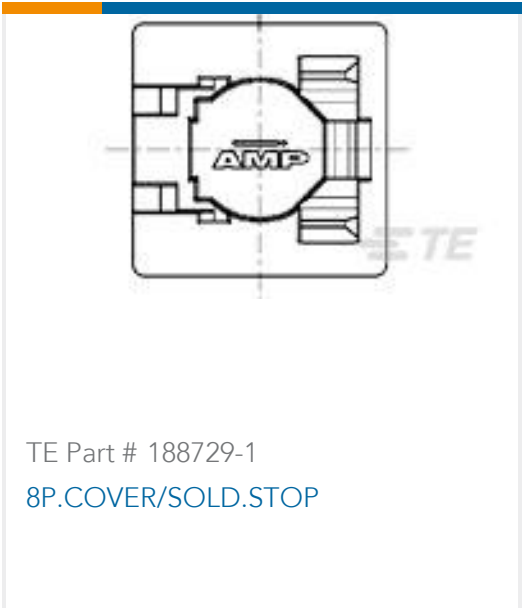
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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





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

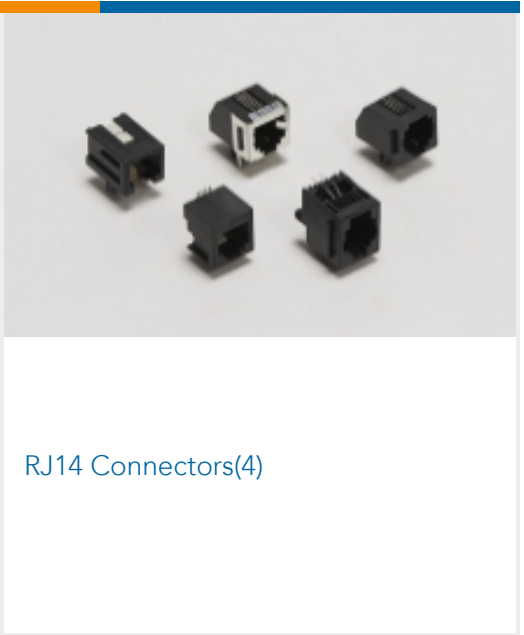
Also in the Series | CGS TE



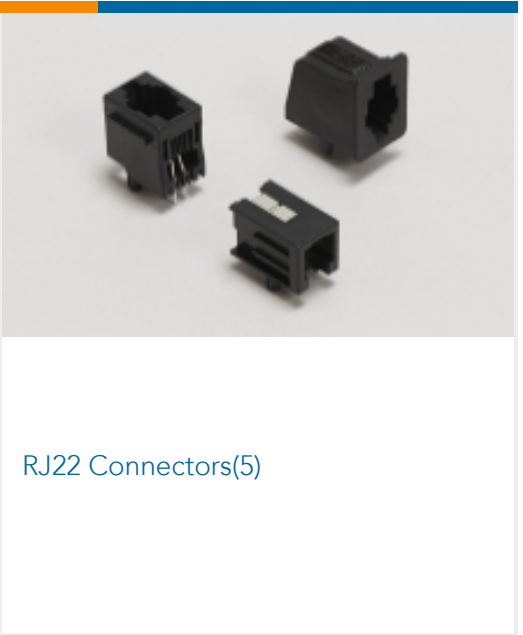
Chassis Mount Resistors(747)



RJ11 Connectors(1)



RJ14 Connectors(4)



RJ22 Connectors(5)



RJ25 Connectors(4)



RJ45 Connectors(30)

Customers Also Bought



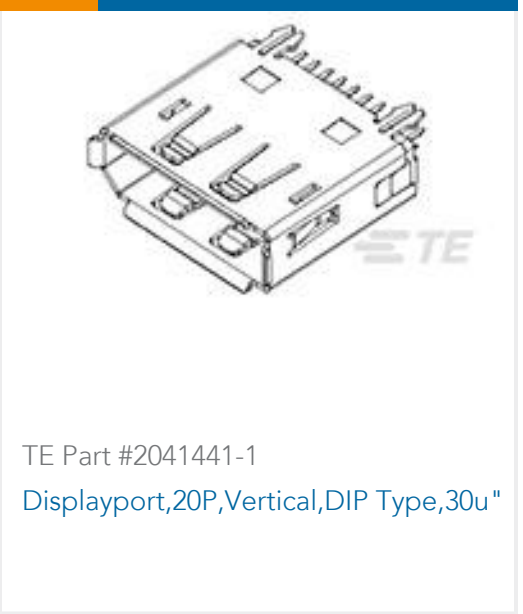
TE Part #2-1393258-0  
Force Guided Power Relay, 2 Poles



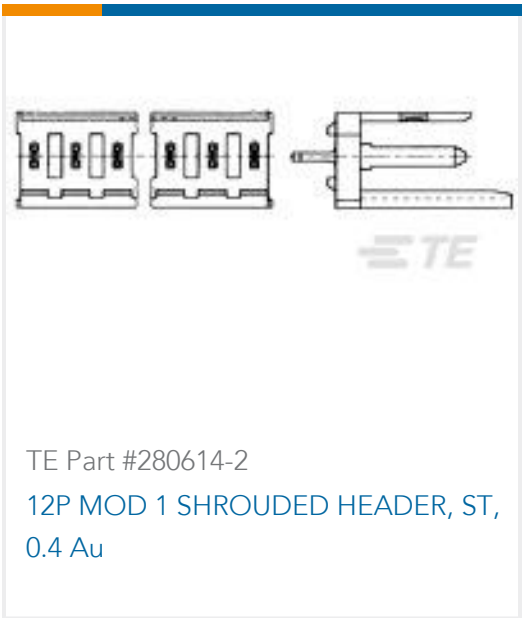
TE Part #1879022-5  
SMD Power Resistor: 7 Watt, 200-2M Ohm



TE Part #1-1734261-0  
AMP HPI 1.25MM HEADERS



TE Part #2041441-1  
Displayport,20P,Vertical,DIP Type,30u"



TE Part #280614-2  
12P MOD 1 SHROUDED HEADER, ST, 0.4 Au



TE Part #1676257-3  
RN 0805 22K1 0.1% 10PPM 5KRL



TE Part #1622948-1  
CRG0603 1% 470K



TE Part #1623455-1  
CRG1206 1% 200K



Documents

Product Drawings

MJ,TE,8P,SHLD W/PNL STPS

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_5406436-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_5406436-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_5406436-1\_B.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

MJ,TE,8P,SHLD W/PNL STPS

English

MJ,TE,8P,SHLD W/PNL STPS

English

Agency Approvals

UL Report

English