

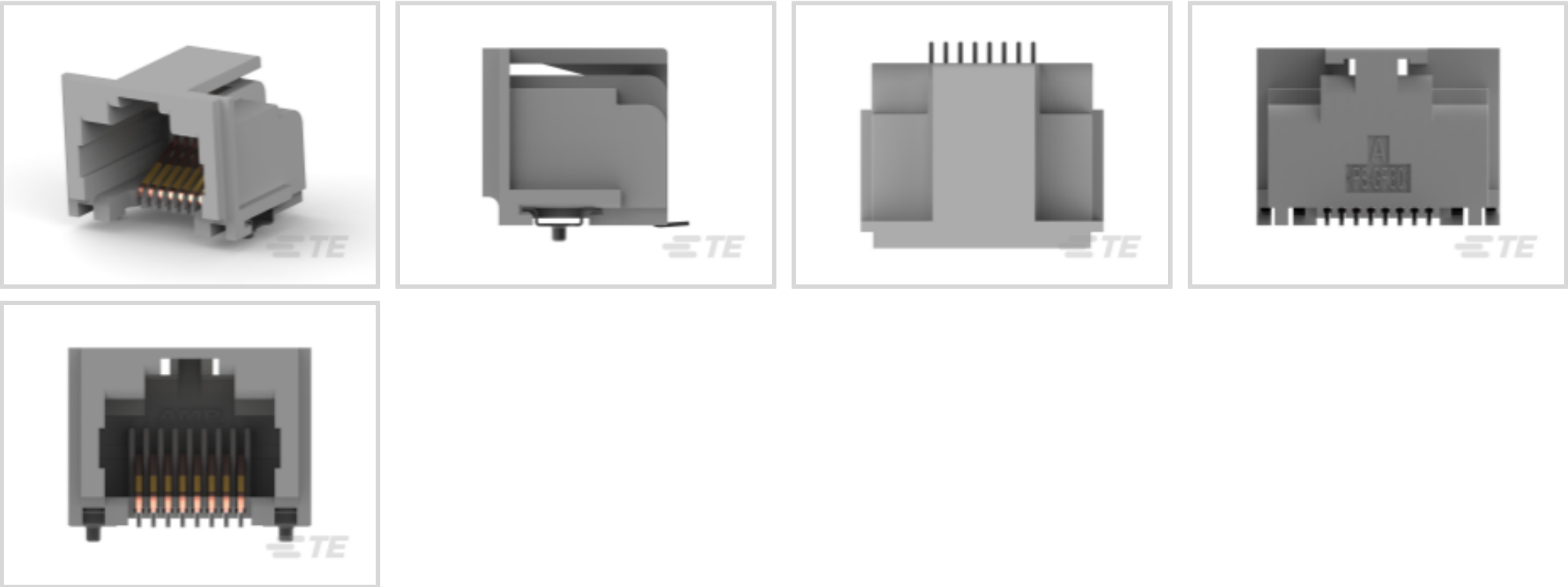


CGS SM

TE Internal #: 5406721-2  
CGS SM, RJ45 Connectors, RJ45, Single Port, Port Matrix  
Configuration 1 x 1, RJ Type Jacks & Plugs, Standard Connector  
Contact Density, Jack, Cat 5

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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                      | None                  |
| Connector & Contact Terminates To      | Printed Circuit Board |

Configuration Features

|                            |             |
|----------------------------|-------------|
| 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 | Right Angle |
|-----------------------|-------------|

Body Features

|                                |                     |
|--------------------------------|---------------------|
| Modular Jack Latch Orientation | Inverted - Latch Up |
| Connector Profile              | Low                 |

Contact Features

|                                                |                |
|------------------------------------------------|----------------|
| Contact Underplating Material                  | Nickel         |
| PCB Contact Termination Area Plating Material  | Tin            |
| Contact Mating Area Plating Material           | Gold           |
| Contact Base Material                          | Copper Alloy   |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |

Termination Features

|                                             |                  |
|---------------------------------------------|------------------|
| Termination Method to Printed Circuit Board | Surface Mount    |
| Termination Post & Tail Length              | 1.52 mm[.059 in] |

Mechanical Attachment

|                          |                          |
|--------------------------|--------------------------|
| Boardlock Material       | Phosphor Bronze          |
| Panel Mount Feature      | With                     |
| Panel Mount Feature Type | Panel Stops              |
| PCB Mount Retention Type | Boardlock                |
| Connector Mounting Type  | Board Mount, Panel Mount |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height            | 12.4 mm[.488 in] |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 70 °C[-40 – 158 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |



Industry Standards

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

Packaging Features

|                         |             |
|-------------------------|-------------|
| Packaging Reel Diameter | 33 cm       |
| Packaging Quantity      | 200         |
| Packaging Method        | Tape & Reel |

Product Compliance

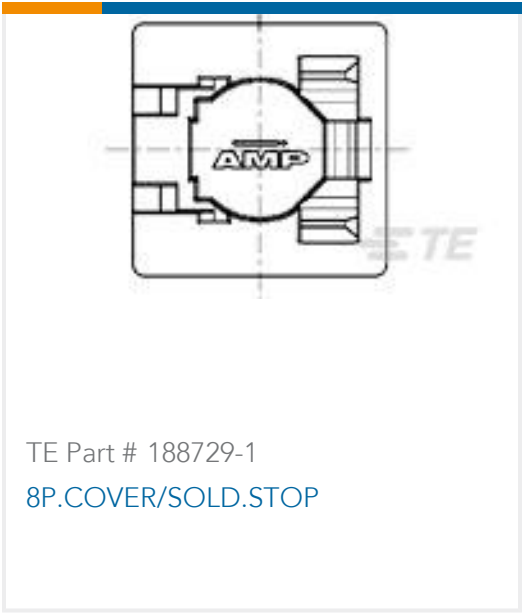
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2020 (205)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                          |
| Solder Process Capability                     | Reflow solder capable to 245°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 SM



Battery Holders(1)



Expanded Beam Fiber Optics(9)



LC Connectors(2)



RJ14 Connectors(1)



RJ22 Connectors(1)



RJ25 Connectors(1)



RJ45 Connectors(3)

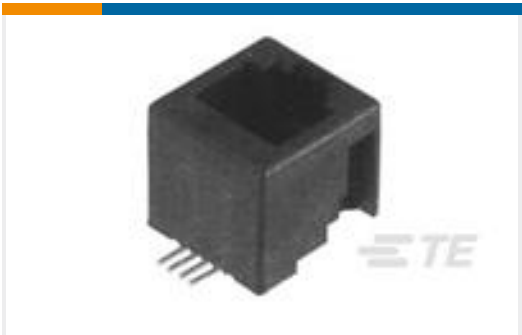


SD Card Connectors(1)

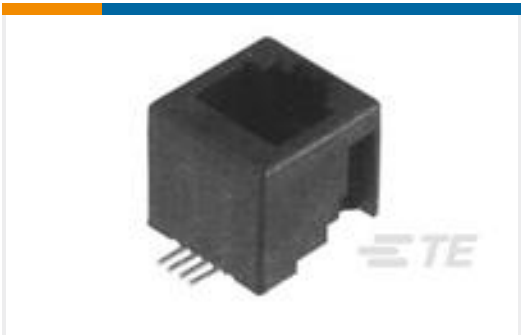


Surface Mount Resistors(545)

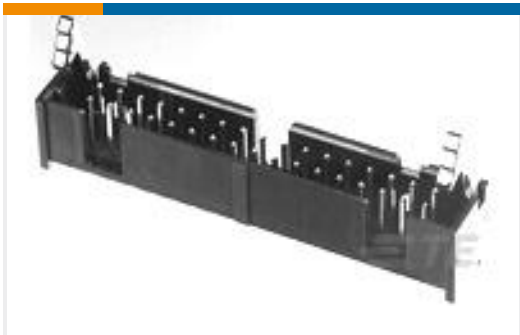
Customers Also Bought



TE Part #1-338088-3  
8/8 INV.MOD.JACK



TE Part #1-338088-6  
8/8 INV.MOD.JACK



TE Part #1-1761606-0  
IDC LOW PRO HDR 30P VERT LG LA



TE Part #147873-2  
SWITCH,TACT,SMT,J-LEAD,4.3MM



TE Part #1-2176088-2  
RP 1J 0.166W 976R 0.1% 25PPM 1K RL

TE Part #1-177662-2  
DYNAMIC 3100 HDR ASSY

TE Part #MS860702BA01-50  
BOARD LEVEL PRESSURE STOCK LIST

TE Part #1534531-1  
SIGNAL HEADER

TE Part #1011-056-0305  
DEUTSCH DT RETENTION SLEEVES

TE Part #1365906-7  
FRONT MODULE SL1-H16

Documents

Product Drawings

MJ,RJ45,SM,TGRAY,13"REEL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5406721-2\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5406721-2\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5406721-2\_E.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



Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English