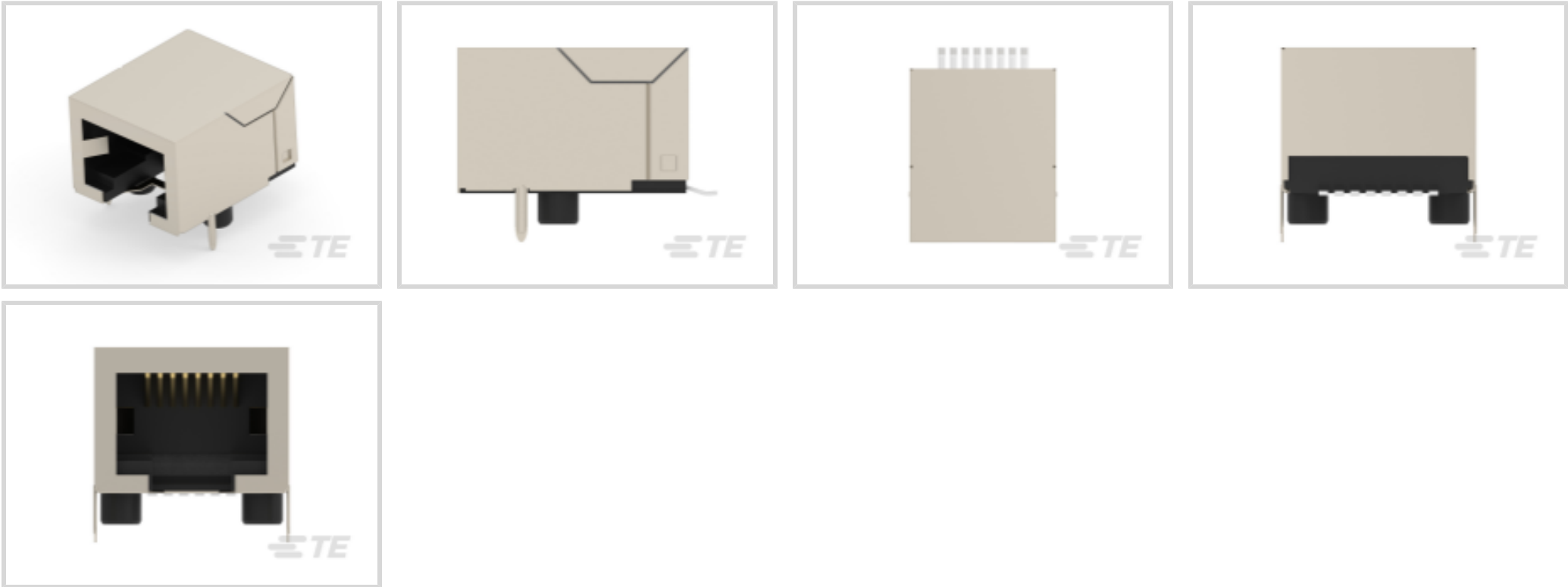




Connectors > Modular Jacks & Plugs > RJ45 Connectors



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

| | |
|----------------------------|-------------|
| Status Indicator Type | None |
| 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 | Nickel |
| Shield Material | Copper Alloy |
| Modular Jack Latch Orientation | Standard - Latch Down |
| Connector Profile | Low |

Contact Features

| | |
|--|----------------|
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Current Rating (Max) | 1.5 A |
| Contact Mating Area Plating Material | Gold (Au) |
| 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 | 2.5 mm[.098 in] |

Mechanical Attachment

| | |
|--------------------------|--------------------------|
| PCB Mount Retention Type | Location Peg |
| Connector Mounting Type | Board Mount, Panel Mount |

Housing Features

| | |
|-----------------------|-----------------|
| Mating Entry Location | Side |
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | PA 46 |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 11.75 mm[.463 in] |
|------------------|-------------------|

Usage Conditions

| | |
|-----------------------------|------------------------|
| Operating Temperature Range | 0 – 70 °C[32 – 158 °F] |
|-----------------------------|------------------------|

Operation/Application

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

Industry Standards

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



Packaging Features

| | |
|------------------|-------------|
| 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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1987328-1
RJ45 COMMON CORE, 4x2 POS.



TE Part # 2120892-1
RJ45 CONNECTOR CAT6A, IP20 PLUG



TE Part # 203422-E
MJ LSS ** 8 8 *** STP GURT 30 * J 3 2



TE Part # 203495-E
MJ LSS ** 8 8 *** 999999 30 * J 3 2





TE Part # 2383216-1
RJ45 FIELD INSTALLABLE CABLE
CONN.



TE Part # 1554260-1
DUST CAP

Customers Also Bought



TE Part #133268-E
MJ LS ** 8 8 * * * * 30 * J 3 133854



TE Part #224394-E
SRCP 1,27 4 F 1 I2426 137 * 162 1,07
TRA



TE Part #244934-E
M12 M 5 A * S * 201 10,5 094 * * * * 001




TE Part #284697-E
SRCP 1,27 4 M 1 SMD 137 E1 094 * GU-
H *



TE Part #394305-E
M12 F 8 A H S * 301 17,0 094 * * * V
999




TE Part #394905-E
MRDEZT MUTTER M10 X 1 FUER PL.
DI 1MM * *




TE Part #224411-E
STVC 64 F AC VV 7-00 TL 4,0 * 247
E007 1



TE Part #063209-E
SMCQ 26 M AB VV 3-03 CLHD * H007
137 E00



TE Part #464822-E
SMCB 16 F AB VV 7-03 CL * H007 137
E002



TE Part #464824-E
SMCQ 16 M AB VV 8-13 CL * H007 137
E005

Documents

Product Drawings

MJ LSS ** 8 8 * * * * 999999 30 * J 3 2

English

CAD Files

Customer View Model

ENG_CVM_CVM_203490-E_1.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_203490-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_203490-E_1.2d_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[ERNI Modular Jacks](#)

English

[ERNI Modular Jacks](#)

German

Product Specifications

[Application Specification](#)

English