

Industrial RJ45 Variant 1

TE Internal #: 1986280-1

Circular RJ45 Connector, Single Port, Receptacle, Cat 5e, 8 Position, Signal, Black, Polyester / Polyester GF, Gold (Au), Industrial RJ45 Variant 1

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Connectors > Modular Jacks & Plugs > RJ45 Connectors



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

Port Configuration: **Single Port**

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

Connector Contact Density: **Standard**

Modular Connector Style: **Receptacle**

Features

Product Type Features

|                                    |                       |
|------------------------------------|-----------------------|
| Modular Jack & Plug Interface Type | Circular RJ45         |
| Modular Jacks & Plugs Products     | RJ Type Jacks & Plugs |
| Modular Connector Style            | Receptacle            |

Configuration Features

|                            |             |
|----------------------------|-------------|
| Port Configuration         | Single Port |
| Connector Contact Density  | Standard    |
| Number of Positions        | 8           |
| Number of Loaded Positions | 8           |

Contact Features

|  |                 |
|--|-----------------|
| Contact Current Rating (Max)                   | 1.5 A           |
| Contact Mating Area Plating Material           | Gold (Au)       |
| Contact Base Material                          | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50 µin] |

Mechanical Attachment



|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

Housing Features

|                  |                         |
|------------------|-------------------------|
| Housing Color    | Black                   |
| Housing Material | Polyester, Polyester GF |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                      |        |
|----------------------|--------|
| IP Rating            | IP67   |
| Performance Category | Cat 5e |

Packaging Features

|                    |              |
|--------------------|--------------|
| Packaging Quantity | 1            |
| Packaging Method   | Box, Package |

Product Compliance

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

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions   |
| EU ELV Directive 2000/53/EC                   | Out of Scope  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (.91% in 35553032563)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not applicable 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 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 # 1981944-1  
Industrial Ethernet Strip tool

Also in the Series | Industrial RJ45 Variant 1

Connector Caps & Covers(1)

Connector Hardware(2)

RJ45 Connectors(2)

Customers Also Bought

TE Part #1SNK706150R0000  
ZK4-PE

TE Part #1SNK805015R0000  
ZDK2.5-11

TE Part #354071-E  
SMCB 20 F AB VV 7-23 CL \* H007 137  
E002

TE Part #AEA874N0000150A000  
617 RECEPTACLE, SPEEDTEC-READY  
E002



Documents

Product Drawings

Receptacle Kit and Cover ODVA Ethernet

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1986280-1\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1986280-1\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1986280-1\_D.3d\_stp.zip

English

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Agency Approvals

UL Report

English