# 2-1473562-8 ACTIVE

### RITS | RITS Plug Connector

TE Internal #: 2-1473562-8

Standard Rectangular Connectors, Connector Assembly, Plug, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, RITS Plug Connector

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Connectors > Rectangular Connectors > Standard Rectangular Connectors











Connector Product Type: Connector Assembly

Connector & Housing Type: Plug

Mating Alignment: With

Mating Alignment Type: Polarization

Mating Retention: With

### **Features**

### **Product Type Features**

Contact Type

| Connector Product Type            | Connector Assembly    |
|-----------------------------------|-----------------------|
| Connector & Housing Type          | Plug                  |
| Connector System                  | Wire-to-Board         |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Configuration Features            |                       |
| Contacts Preloaded                | Yes                   |
| Number of Positions               | 8                     |
| Number of Rows                    | 1                     |
| Electrical Characteristics        |                       |
| Operating Voltage                 | 32 VDC                |
| Contact Features                  |                       |
| Contact Layout                    | Inline                |

Tab



| Wire Contact Lemination Area Plating Material Contact Underplating Material Contact Mating Area Plating Material Contact Retention Within Housing Without Contact Corrent Rating (Max) 3 A  Termination Peatures Termination Method to Wire & Cable Cfinip Mechanical Attachment PCB Mount Alignment Without PCB Mount Retention Without Mating Alignment With Mating Alignment With Mating Alignment With Mating Retention With Mating Retention With Mating Retention With Mating Retention Iype Cable Mount (Free-Hanging) Housing Features Housing Features Housing Color Blue 10/9 in  Dimensions Connector Height Product Length Product Length Product Length Usage Conditions Operating Temperature Range 30 – 75 °CF27 – 167 °CF Coperation/Application Halogan Free Shelded No Circuit Application Identification Marking | Contact Underplating Material  Contact Mating Area Plating Material  Contact Retention Within Housing  Without  Contact Current Rating (Max)  Termination Features |               |
|---|--|---------------|
| Contact Maining Area Plating Material Contact Retention Withir Housing Without Contact Current Rating (Max)  Termination Features  Lemination Method to Wire & Cable Mechanical Attachment  PCB Mount Alignment Without Mating Alignment With Mating Alignment With Mating Alignment Type Polarization Mating Retention Mating Retention Type Latch Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Housing Material Housing Color Blue079 in  Dimensions  Connector Height 18.5 mml, 278 in] Product Width 5.05 mml, 198 in] Product Length Usage Conditions  Operating Temperature Range Operation/Application  Italogen Free Yes Shielded No Circuit Application Signal  | Contact Mating Area Plating Material  Contact Retention Within Housing  Without  Contact Current Rating (Max)  Termination Features                                |               |
| Contact Current Rating (Max)  Contact Current Rating (Max)  Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  PCB Mount Alignment  PCB Mount Retention  Mithout  Mating Alignment  Mith  Mating Alignment Type  Polarization  Mating Retention Type  Latch  Connector Mounting Type  Louing Features  Housing Features  Housing Material  Inhermoplastic GI  Blue  .0/9 in  Dimensions  Cormector Height  Product Width  18.5 mml.728 in]  Product Length  Product Length  Usage Conditions  Operating Temperature Range  -30 -75 °C; -22 - 167 °F;  Coperation/Application  Halogen Free  Yes  Shielded  No  Circuit Application  Signal  | Contact Retention Within Housing  Contact Current Rating (Max)  Termination Features  Without  3 A   |               |
| Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  PCB Mount Alignment  PCB Mount Retention  Mating Alignment With  Mating Alignment Iype  Mating Alignment Iype  Mating Retention  Mating Retention  Mating Retention Type  Connector Mounting Type  Housing Features  Housing Material  Thermoplastic GF  Housing Color  Blue  0.79 in  Dimensions  Connector Height  Product Length  Product Length  Usage Conditions  Operating Temperature Range  Operation/Application  Halogen Free  Yes  Shielded  No  Cirruit Application  | Contact Current Rating (Max) 3 A  Termination Features   |               |
| Termination Features  Termination Method to Wire & Cable  Mechanical Attachment  PCB Mount Alignment  PCB Mount Retention  Mating Alignment  Multing Alignment I type  Mating Alignment I type  Mating Retention  Mating Retention Type  Latch  Connector Mounting Type  Housing Features  Housing Material  Thermoplastic GF  Blue  .079 in  Dimensions  Connector Height  Product Width  18.5 mm[.728 in]  Product Length  Usage Conditions  Operating Temperature Range  -30 - 75 °C[-22 - 167 °I]  Coperation/Application  Halogen Free  Yes  Shielded  No  Circuit Application  Signal   | Termination Features   |               |
| Termination Method to Wire & Cable  Mechanical Attachment  PCB Mount Alignment  PCB Mount Retention  Mating Alignment  Mating Alignment With  Mating Alignment Type  Mating Retention  Mating Retention  Mating Retention  Mating Retention Type  Latch  Connector Mounting Type  Cable Mount (Free Hanging)  Housing Features  Housing Material  Thermoplastic GF  Blue  .079 in  Dimensions  Connector Height  Product Width  5.05 mm[.198 in]  Product Length  Product Length  Usage Conditions  Operating Temperature Range  Operation/Application  Hologen Free  Yes  Shielded  No  Circuit Application  Signal  |  |               |
| Mechanical Attachment  PCB Mount Alignment Without  Mating Alignment With  Mating Alignment Type Polarization  Mating Retention Mating Retention Mating Retention Mating Retention Type Latch Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Housing Material Thermoplastic GF Blue .079 in  Dimensions  Connector Height 18.5 mml.728 in] Product Width 5.05 mm(.198 in) Product Length Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes Shielded No Circuit Application Signal   | Termination Method to Wire & Cable Crimp   |               |
| PCB Mount Alignment PCB Mount Retention Without Mating Alignment With Mating Alignment Type Polarization With Mating Retention Mating Retention Mating Retention Type Latch Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Thermoplastic GF Blue .079 in  Dimensions  Connector Height Product Width 5.05 mm[.728 in] Product Length Usage Conditions Operating Temperature Range -30 – 75 °C[-22 – 167 °F] Operation/Application Halogen Free Yes Shielded No Circuit Application Signal   |  |               |
| PCB Mount Retention Without  Mating Alignment  Mating Alignment Type Polarization  Mating Retention With  Mating Retention Type Latch  Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material Thermoplastic GF  Housing Color Blue  .079 in  Dimensions  Connector Height 18.5 mm[.728 in]  Product Width 5.05 mm[.198 in]  Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °T]  Operation/Application  Halogen Free Yes  Shielded No  Circuit Application Signal  | Mechanical Attachment  |               |
| Mating Alignment Type       Polarization         Mating Retention       With         Mating Retention Type       Latch         Connector Mounting Type       Cable Mount (Free-Hanging)         Housing Features       Thermoplastic GF         Housing Material       Thermoplastic GF         Housing Color       Blue         Dimensions       .079 in         Connector Height       18.5 mm[.728 in]         Product Width       5.05 mm[.198 in]         Product Length       24.1 mm[.948 in]         Usage Conditions         Operating Temperature Range       -30 – 75 °C[-22 – 167 °F]         Operation/Application       Yes         Shielded       No         Circuit Application       Signal  | PCB Mount Alignment Without  |               |
| Mating Alignment Type Mating Retention With Mating Retention Type Latch Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features Housing Material Thermoplastic GF Housing Color Blue .079 in  Dimensions  Connector Height 18.5 mm[.728 in] Product Width 5.05 mm[.198 in] Product Length 24.1 mm[.948 in]  Usage Conditions Operating Temperature Range -30 – 75 °C[ 22 – 167 °F]  Operation/Application  Halogen Free Shielded No Circuit Application Signal   | PCB Mount Retention Without  |               |
| Mating Retention       With         Mating Retention Type       Latch         Connector Mounting Type       Cable Mount (Free-Hanging)         Housing Features         Housing Material       Thermoplastic GF         Housing Color       Blue         .079 in         Dimensions         Connector Height       18.5 mm[.728 in]         Product Width       5.05 mm[.198 in]         Product Length       24.1 mm[.948 in]         Usage Conditions         Operating Temperature Range       -30 - 75 °C[ 22 - 167 °F]         Operation/Application         Halogen Free       Yes         Shielded       No         Circuit Application       Signal   | Mating Alignment With  |               |
| Mating Retention Type Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material Thermoplastic GF Housing Color Blue .079 in  Dimensions  Connector Height 18.5 mm[.728 in] Product Width 5.05 mm[.198 in] Product Length Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes Shielded No Circuit Application  Signal  | Mating Alignment Type Polarization   |               |
| Connector Mounting Type       Cable Mount (Free-Hanging)         Housing Features       Housing Material       Thermoplastic GF         Housing Color       Blue       .079 in         Dimensions       Dimensions         Connector Height       18.5 mm[.728 in]       Product Width       5.05 mm[.198 in]         Product Length       24.1 mm[.948 in]         Usage Conditions       Operating Temperature Range       -30 – 75 °C[-22 – 167 °F]         Operation/Application       Yes         Shielded       No         Circuit Application       Signal   | Mating Retention With  |               |
| Housing Features  Housing Material Thermoplastic GF  Housing Color Blue .079 in  Dimensions  Connector Height 18.5 mm[.728 in] Product Width 5.05 mm[.198 in] Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 - 75 °C[-22 - 167 °F]  Operation/Application  Halogen Free Yes Shielded No Circuit Application Signal  | Mating Retention Type Latch  |               |
| Housing Material  Housing Color  Blue  .079 in  Dimensions  Connector Height Product Width Froduct Length  Usage Conditions  Operating Temperature Range  Operation/Application  Halogen Free Shielded  No  Circuit Application  Thermoplastic GF  Blue  1.079 in  Product  18.5 mm[.728 in]  5.05 mm[.198 in]  24.1 mm[.948 in]  24.1 mm[.948 in]  Ves  Signal   | Connector Mounting Type Cable Mount (F   | Free-Hanging) |
| Housing Color  Blue .079 in  Dimensions  Connector Height 18.5 mm[.728 in] Product Width 5.05 mm[.198 in] Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes Shielded No Circuit Application Signal  | Housing Features   |               |
| Dimensions  Connector Height 18.5 mm[.728 in]  Product Width 5.05 mm[.198 in]  Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes  Shielded No  Circuit Application Signal   | Housing Material Thermoplastic   | GF            |
| DimensionsConnector Height18.5 mm[.728 in]Product Width5.05 mm[.198 in]Product Length24.1 mm[.948 in]Usage ConditionsOperating Temperature Range-30 – 75 °C[-22 – 167 °F]Operation/ApplicationYesShieldedNoCircuit ApplicationSignal  | Housing Color Blue   |               |
| Connector Height 18.5 mm[.728 in]  Product Width 5.05 mm[.198 in]  Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 - 75 °C[-22 - 167 °F]  Operation/Application  Halogen Free Yes  Shielded No  Circuit Application Signal   | .079 in  |               |
| Product Width  Product Length  24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range  Operation/Application  Halogen Free Shielded No  Circuit Application  5.05 mm[.198 in]  24.1 mm[.948 in]  24.1 mm[.948 in]  Yes  Signal   | Dimensions   |               |
| Product Length 24.1 mm[.948 in]  Usage Conditions  Operating Temperature Range -30 - 75 °C[-22 - 167 °F]  Operation/Application  Halogen Free Yes Shielded No Circuit Application Signal  | Connector Height 18.5 mm[.728 in   | ٦]            |
| Usage Conditions  Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes  Shielded No  Circuit Application Signal   | Product Width 5.05 mm[.198 in  | n]            |
| Operating Temperature Range -30 – 75 °C[-22 – 167 °F]  Operation/Application  Halogen Free Yes  Shielded No  Circuit Application Signal   | Product Length 24.1 mm[.948 in   | n]            |
| Operation/Application   Halogen Free Yes   Shielded No   Circuit Application Signal   | Usage Conditions   |               |
| Halogen Free Yes Shielded No Circuit Application Signal   | Operating Temperature Range -30 – 75 °C[-22  | – 167 °F]     |
| Shielded No Circuit Application Signal  | Operation/Application  |               |
| Circuit Application Signal  | Halogen Free Yes   |               |
|   | Shielded   |               |
| Identification Marking  | Circuit Application Signal   |               |
|   | Identification Marking   |               |
| Circuit Identification Feature Without  | Circuit Identification Feature Without   |               |



#### **Industry Standards**

| Glow Wire Rating       | Standard Part - Not Glow Wire |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Packaging Features     |                               |
| Packaging Quantity     | 20                            |
| Packaging Method       | 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: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not applicable for solder process capability  |

### Product Compliance Disclaimer

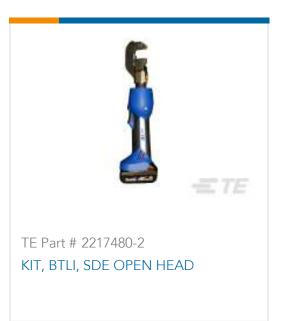
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

Standard Rectangular Connectors, Connector Assembly, Plug, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, RITS Plug Connector





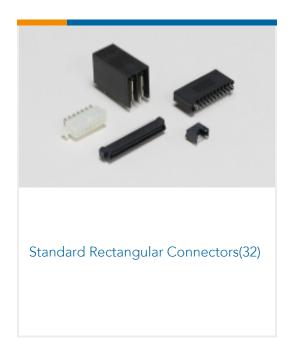








## Also in the Series | RITS Plug Connector



## Customers Also Bought



### **Documents**

Product Drawings
RITS CONN. PLUG ASSY 8P BLUE

English

#### **CAD Files**

Customer View Model ENG\_CVM\_CVM\_2-1473562-8\_F.2d\_dxf.zip

Standard Rectangular Connectors, Connector Assembly, Plug, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, RITS Plug Connector



English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-1473562-8\_F.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1473562-8\_F.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

### Datasheets & Catalog Pages

Remote Input Output Terminal System (RITS) Connectors

English

### **Product Specifications**

**Product Specification** 

Japanese

### **Product Environmental Compliance**

**Product Compliance** 

English

**Product Compliance** 

English

### **Instruction Sheets**

Instruction Sheet (non U.S.)

Japanese

RITS Connector Interconnection System/e-CON Connector

Japanese

Instruction Sheet (non U.S.)

Japanese

HAND TOOL FOR RITS PLUG SOCKET ASSEMBLY

Japanese