



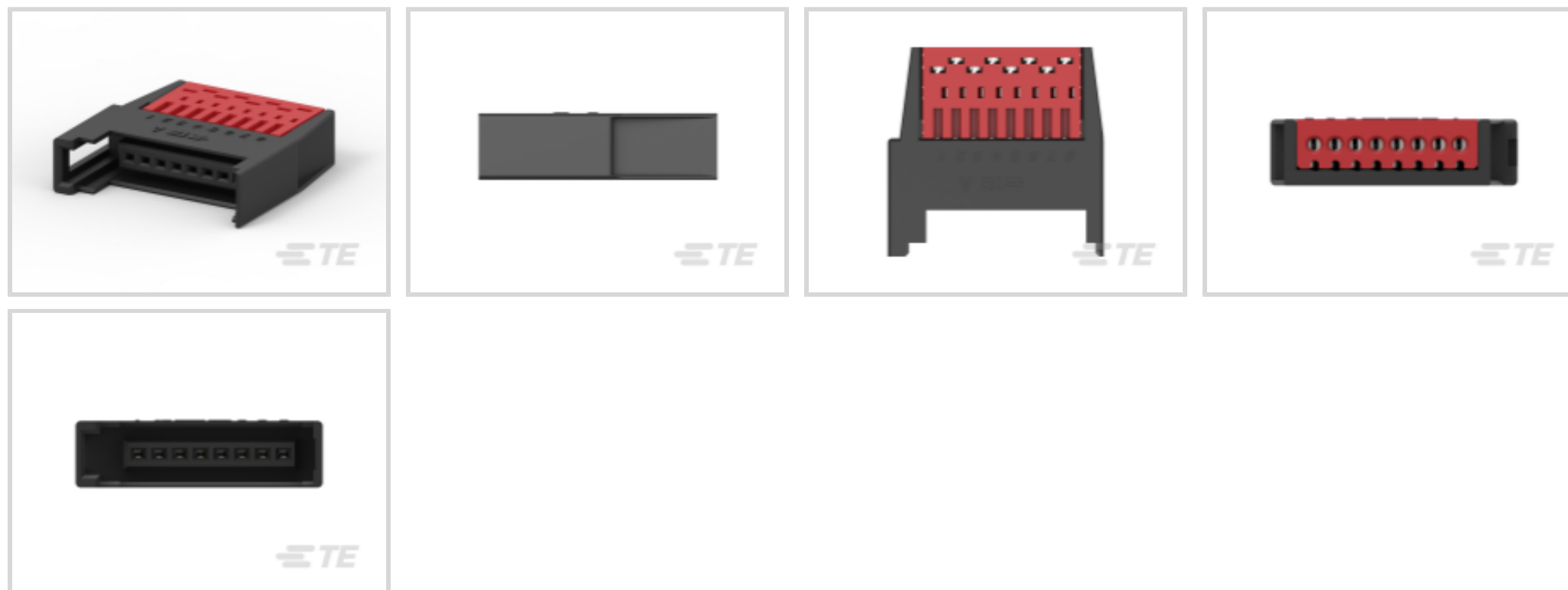
RITS | RITS Socket Connectors

TE Internal #: 1-1746741-8

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, RITS Socket Connectors

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

**Features**

**Product Type Features**

Glow Wire Rating	Standard Part - Not Glow Wire
Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Preloaded	Yes
Number of Positions	8
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	32 VDC
-------------------	--------

**Contact Features**



Contact Layout	Inline
Contact Type	Socket
Multiple Contact Types	Without
Shunts/Shorting Bars	Without
Wire Contact Termination Area Plating Material	Nickel
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	Without
Contact Current Rating (Max)	3 A

#### Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

#### Mechanical Attachment

Panel Mount	No
PCB Mount Alignment	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

#### Housing Features

Housing Color	Red
Housing Material	Thermoplastic GF
	.079 in

#### Dimensions

Width	8.6 mm[.338 in]
Height	23 mm[.905 in]
Length	23.8 mm[.937 in]

#### Usage Conditions

Operating Temperature Range	-30 – 75 °C[-22 – 167 °F]
-----------------------------	---------------------------

#### Operation/Application

Assembly Integration Feature	Without
------------------------------	---------



For Use With	Header
Halogen Free	Yes
Shielded	No
Circuit Application	Signal

### Identification Marking

Circuit Identification Feature	Without
--------------------------------	---------

### Industry Standards

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

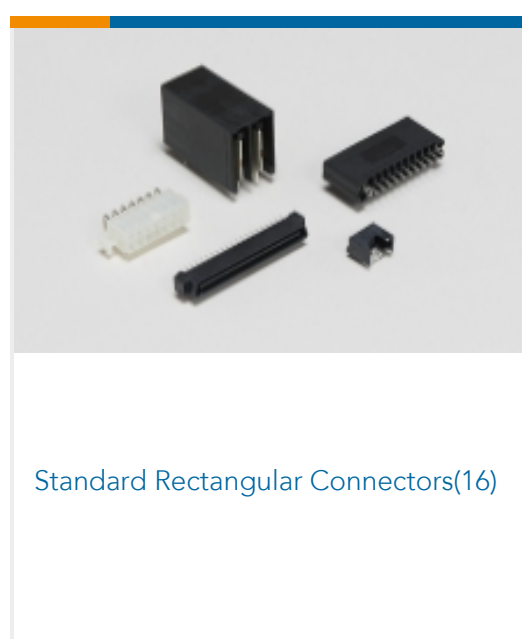
#### Product Compliance Disclaimer

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



## Also in the Series | RITS Socket Connectors



## Documents

### Product Drawings

[RITS CONN. SOCKET ASSY 8P RED](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1746741-8\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1746741-8\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1746741-8\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[Product Specification](#)

Japanese

### 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