

1746741-3 ✓ ACTIVE

RITS | RITS Socket Connectors

TE Internal #: 1746741-3

Connector Assembly, Receptacle, Crimp, Wire-to-Board / Wire-to-Wire, Gold, UL 94V-0, RITS Socket Connectors, Standard

Rectangular Connectors

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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

Electrical Characteristics

Operating Voltage	32 VDC
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Body Features

Primary Product Color	Yellow
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Identification Marking

Circuit Identification Feature	Without
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Packaging Features

Packaging Quantity	34
Packaging Method	Tube

Dimensions

Compatible Insulation Diameter Range	1 – 1.5 mm [.039 – .059 in]
Connector Width	8.6 mm [.338 in]
Connector Height	23 mm [.905 in]
Connector Length	13.8 mm [.543 in]



Housing Features

Housing Material	Glass-Filled Thermoplastic
Centerline (Pitch)	2 mm[.079 in]

Configuration Features

Contacts Preloaded	Yes
Number of Positions	3
Number of Rows	1

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Contact Features

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

Operation/Application

Halogen Free	Yes
Shielded	No
Circuit Application	Signal

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With



Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Termination Features

Termination Method to Wire & Cable	Crimp
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Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

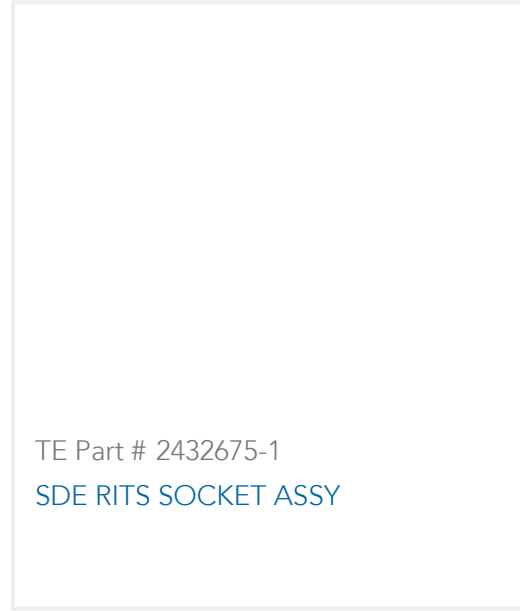
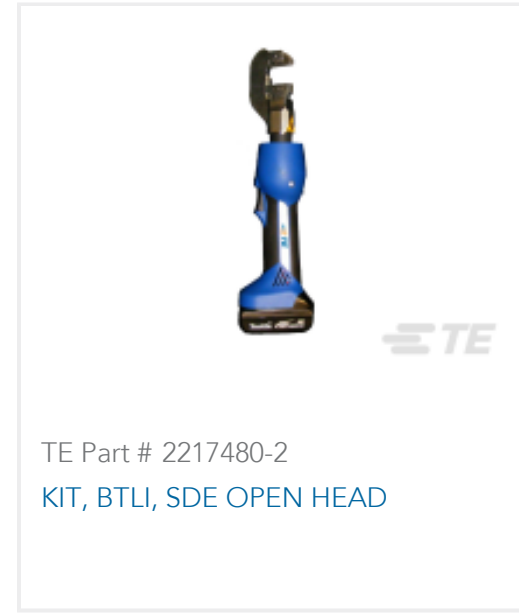
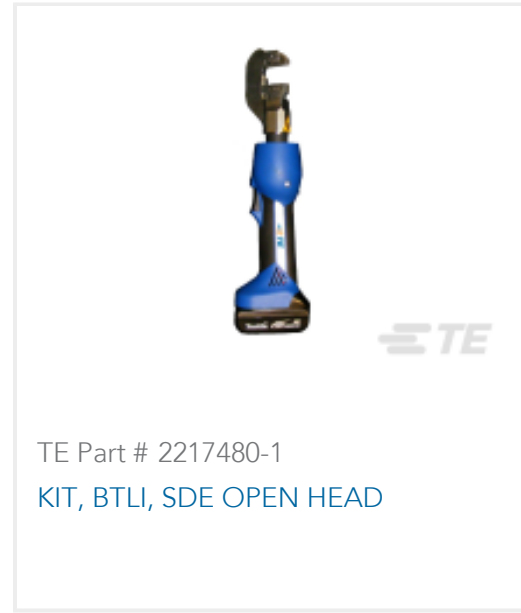
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

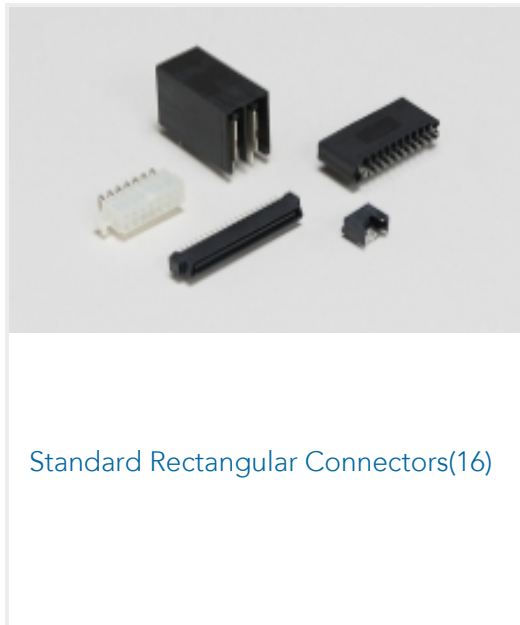
Product Compliance Disclaimer

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**



Customers Also Bought





Documents

Product Drawings

[RITS CONN. SOCKET ASSY 3P YELLOW](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1746741-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1746741-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1746741-3_A.3d_stp.zip](#)

English

[3D PDF](#)

3D

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

Agency Approvals

[UL Report](#)

English

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