

2-1746741-6 ✓ ACTIVE

RITS | RITS Socket Connectors

TE Internal #: 2-1746741-6

Connector Assembly, Receptacle, Mating Alignment, Polarization

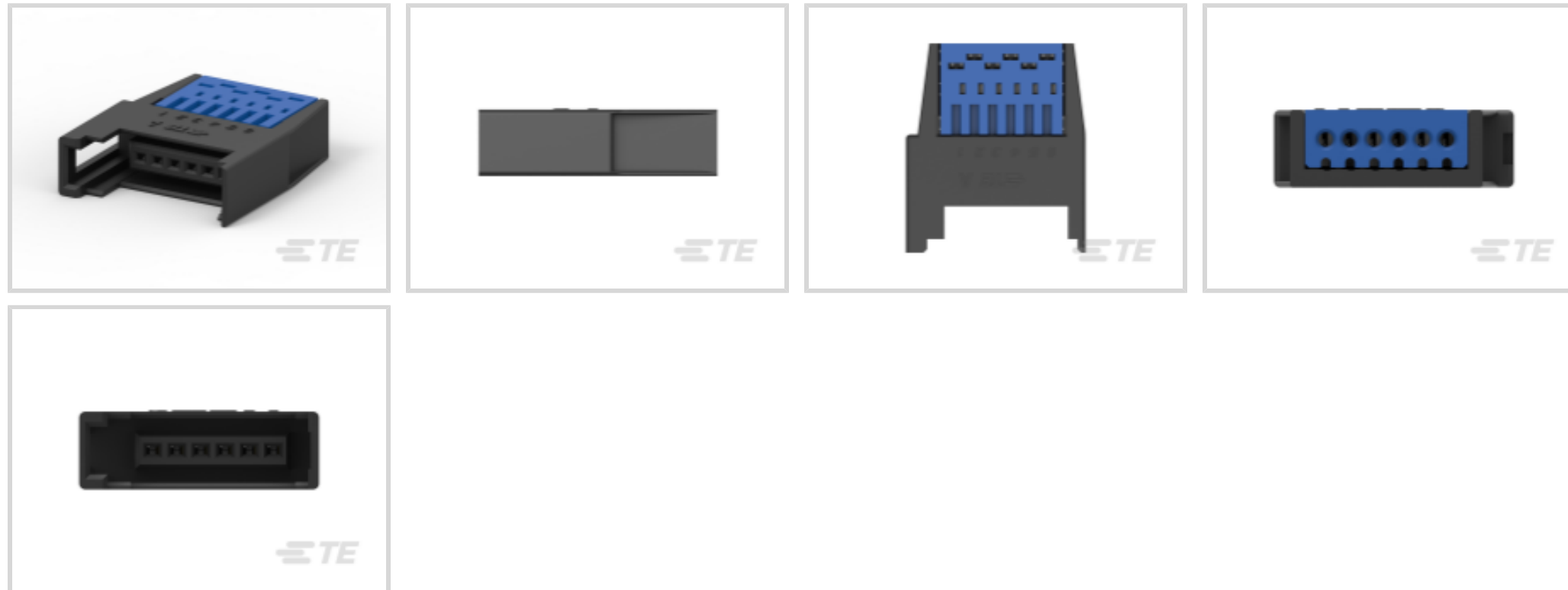
Mating Alignment Type, RITS Socket Connectors, Standard

Rectangular 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

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

Contacts Preloaded	Yes
Number of Positions	6
Number of Rows	1

### Electrical Characteristics

Operating Voltage	32 VDC
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### Contact Features

Contact Layout	Inline
Contact Type	Socket



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
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### Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment	With
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	23 mm[.905 in]
Product Width	8.6 mm[.338 in]
Product Length	19.8 mm[.779 in]

### Usage Conditions

Operating Temperature Range	-30 – 75 °C[-22 – 167 °F]
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### Operation/Application

Halogen Free	Yes
Shielded	No
Circuit Application	Signal

### Identification Marking

Circuit Identification Feature	Without
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### Industry Standards

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

### Packaging Features

Packaging Quantity	24
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 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



TE Part # 2217480-1  
KIT, BTLI, SDE OPEN HEAD



TE Part # 2-1554809-6  
RITS CONN. PLUG ASSY 6P BLUE COVER




TE Part # 2217480-2  
KIT, BTLI, SDE OPEN HEAD



TE Part # 2362810-1  
SDE CRIMP HAND TOOL FRAME W /O DIES

TE Part # 2432675-1  
SDE RITS SOCKET ASSY

### Also in the Series | RITS Socket Connectors



Standard Rectangular Connectors(16)

### Customers Also Bought



TE Part #1-1827863-3  
DYNAMIC 1100D REC HSG X 26P BLACK



TE Part #1473574-3  
RITS.JUNCTION BOX 4D 3P P/M



TE Part #665915J001  
V2-5.0-0-SP-SM

TE Part #2260862-8  
F07 APF CABLE ASSY 5M

TE Part #2260862-6  
F07 APF CABLE ASSY 3M

TE Part #2260110-4  
MINI IO PIERCING CABLE ASSY L5000



## Documents

### Product Drawings

[RITS CONN. SOCKET ASSY 6P BLUE](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1746741-6\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1746741-6\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1746741-6\\_A.3d\\_stp.zip](#)

English

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

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### Product Specifications

[Product Specification](#)

Japanese

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### 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