



Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**  
Number of Positions: **7**  
Number of Rows: **7**  
Centerline (Pitch): **2 mm [ .078 in ]**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Wire-to-Board         |
| Header Type                       | Partially Shrouded    |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type       | PCB Mount Header      |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 1            |
| Number of Loaded Positions       | 7            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 7            |
| Number of Rows                   | 7            |
| PCB Mount Orientation            | Vertical     |

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 2 μm[78.74 μin] |
|---------------------------------------------------------|-----------------|



|                                                      |                 |
|------------------------------------------------------|-----------------|
| Contact Underplating Material Thickness              | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material Thickness       | .2 µm[7.87 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte           |
| Contact Mating Area Plating Material Finish          | Bright          |
| Contact Underplating Material                        | Nickel          |
| PCB Contact Termination Area Plating Material        | Tin             |
| Contact Mating Area Plating Material                 | Gold            |
| Contact Type                                         | Receptacle      |
| Contact Current Rating (Max)                         | 3 A             |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.007 in]        |
| Rectangular Termination Post & Tail Width     | .6 mm[.023 in]        |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| Mating Retention        | Without      |
| Connector Mounting Type | Board Mount  |
| Mating Alignment        | With         |
| PCB Mount Alignment     | With         |
| PCB Mount Retention     | Without      |

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | Thermoplastic |
| Centerline (Pitch) | 2 mm[.078 in] |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 23.8 mm[.937 in] |
| Connector Height | 13 mm[.511 in]   |
| Connector Width  | 6.4 mm[.251 in]  |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards



|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |      |
|------------------|------|
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                    |

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 # 4-2295044-7  
RITS CONN. PLUG ASSY 7P GREEN  
TIN

Also in the Series

RITS Header Connectors PCB Mount



PCB Headers & Receptacles(13)

Customers Also Bought



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



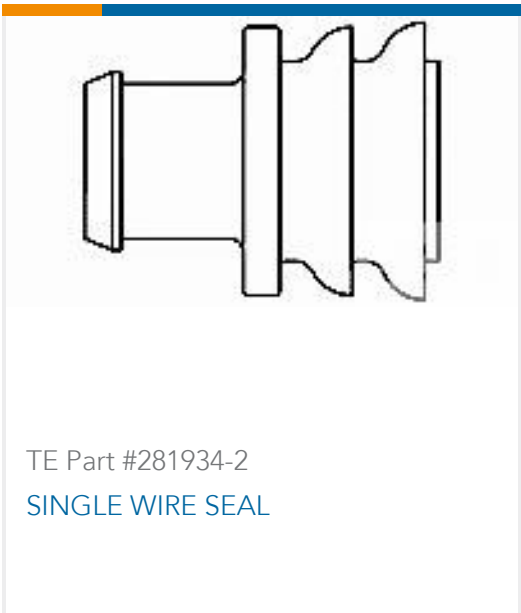
TE Part #W2S  
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

RITS CONN.HDR ASSY 7P

Japanese

CAD Files

3D PDF

English



Customer View Model

[ENG\\_CVM\\_1473565-7\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1473565-7\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1473565-7\\_B.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

[Standard Operating Procedure](#)

Japanese

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

Japanese

[RITS Connector Interconnection System/e-CON Connector](#)

Japanese