



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
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Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
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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 Printed Circuit Board	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]
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Operation/Application

Circuit Application	Signal
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Industry Standards



UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Type	Tube
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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 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-2295044-7  
RITS CONN. PLUG ASSY 7P RED TIN



TE Part # 2-2295044-7  
RITS CONN. PLUG ASSY 7P BLUE TIN



TE Part # 2295044-7  
RITS CONN. PLUG ASSY 7P YELLOW TIN



TE Part # 3-2295044-7  
RITS CONN. PLUG ASSY 7P ORANGE TIN



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 #206070-8  
CABLE CLAMP KIT #17



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



TE Part #W2S  
WedgeLocks: DEUTSCH DT



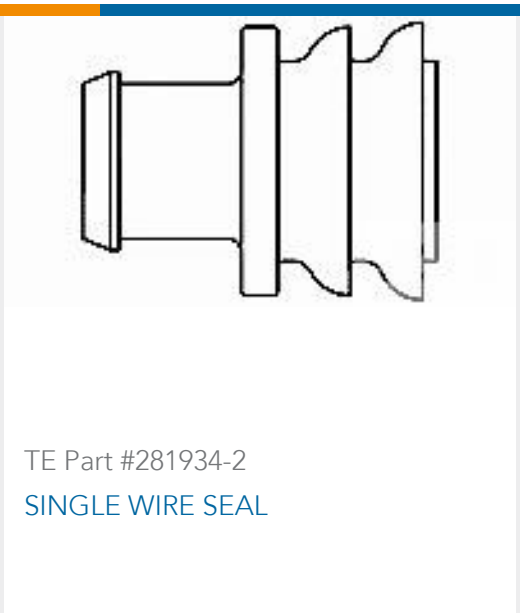
TE Part #0460-202-16141  
DEUTSCH Solid Contacts



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



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



TE Part #281934-2  
SINGLE WIRE SEAL

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