



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **7**

Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

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

Configuration Features

Keying & Polarized Position Locations	3D, 7D
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Contact Retention Within Housing	Without
----------------------------------	---------



PCB Contact Termination Area Plating Material Thickness	3.8 μm[149.6 μin]
Mating Tab Width	6.3 mm[.248 in]
Mating Tab Thickness	.8 mm[.032 in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3.8 μm[149.6 μin]
Contact Type	Tab
Contact Current Rating (Max)	16 A

Termination Features

Square Termination Post & Tail Dimension	.8 mm[.032 in]
Termination Post & Tail Length	3.5 mm[.13 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Latch
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5 mm[.197 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Length	42.3 mm[1.66 in]
------------------	------------------



Connector Height	12.8 mm[.5 in]
Row-to-Row Spacing	5 mm

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

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

Packaging Features

Packaging Quantity	45
Packaging Method	Carton, Tube/Box

Product Compliance

For compliance documentation, visit the product page on TE.com>

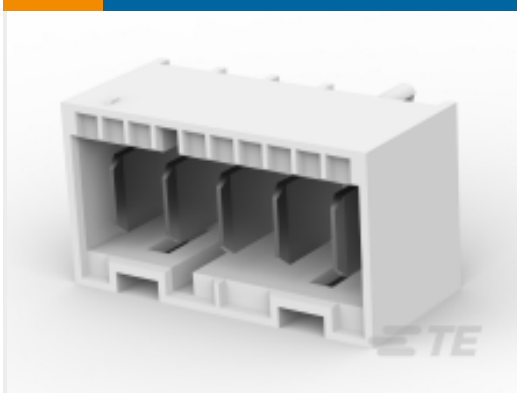
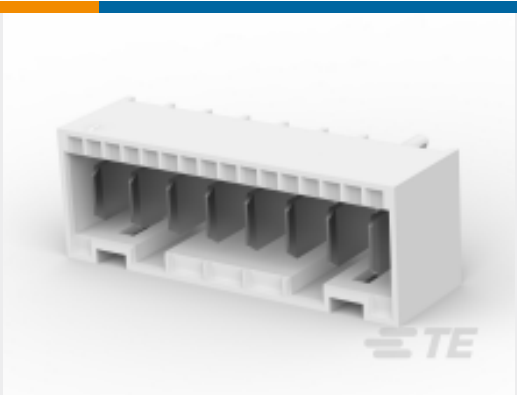
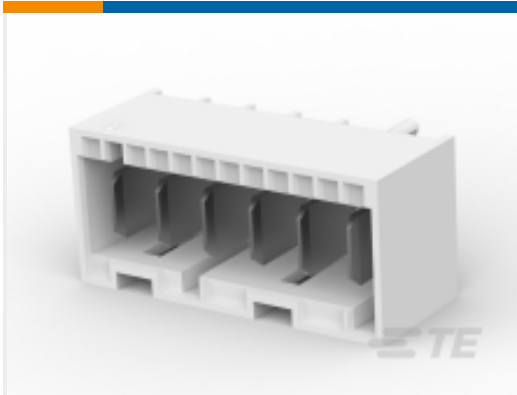
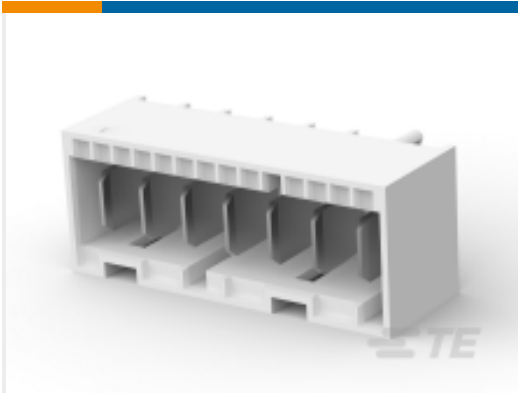
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

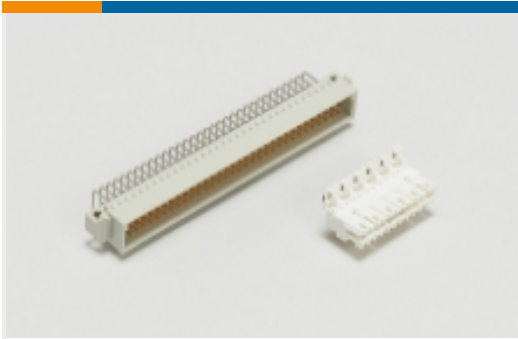
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

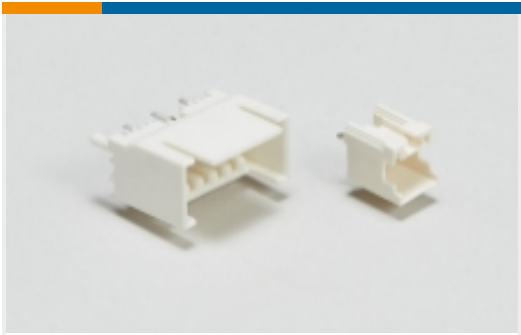
 TE Part # 1971845-4 4P, RAST 5 Tab Header, THV	 TE Part # 1971845-3 3P, RAST 5 Tab Header, THV	 TE Part # 1971845-5 5P, RAST 5 Tab Header, THV	 TE Part # 1971845-2 2P, RAST 5 Tab Header, THV
 TE Part # 1971845-8 8P, RAST 5 Tab Header, THV	 TE Part # 1971895-2 2P, RAST 5 Tab Header, THV	 TE Part # 1971845-6 6P, RAST 5 Tab Header, THV	 TE Part # 1971846-7 7P, RAST 5 Tab Header, THV
 TE Part # 1971895-7 7P, RAST 5 Tab Header, THV	 TE Part # 2232043-7 7P, RAST 5 Tab Header, THV		

Also in the Series | RAST 5 IDC Connectors

 Automotive Terminals(8)	 Connector Contacts(12)	 Crimp Terminal Housings(41)	 Insertion & Extraction Tools(1)
 Rectangular Connector Housings(1)	 Standard Edge Connectors(36)	 Standard Rectangular Connectors(138)	 Wire-to-Board Connector Assemblies & Housings(214)



Wire-to-Board Connector Contacts(2)



Wire-to-Board Headers & Receptacles (424)

Customers Also Bought



TE Part #626028-2
RING TONGUE TERMINAL 0.5 /1.5
MM2 TPBR



TE Part #1418919-1
CIRCULAR DIN BACKSHELLS



TE Part #293011-1
5 POS. FASTIN-FASTON CONN. TAB
HOUSING R



TE Part #1241961-1
STD TIM HOUSING MKII 2POS



TE Part #3-1534796-0
AMP DUOPLUG MK2 CONNECTOR
10P



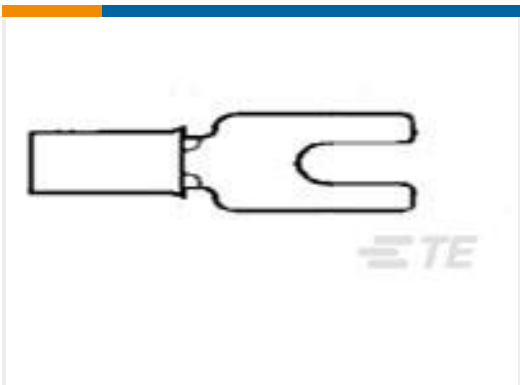
TE Part #184392-1
2X2 PLG ASY, KEY A, W/O CPA C3



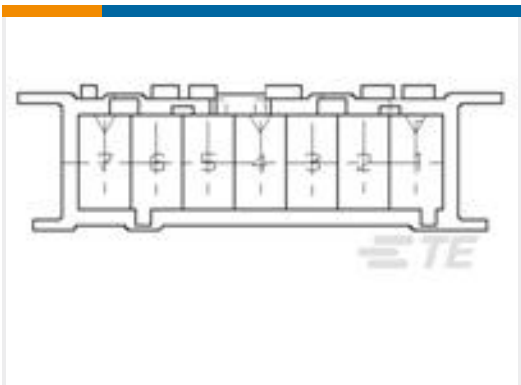
TE Part #3-1241961-2
STD TIM HOUSING MKII 2POS



TE Part #1971895-3
3P, RAST 5 Tab Header, THV



TE Part #41589
SPADE TERMINAL 24-20 AWG TPBR



TE Part #928309-7
7P FF FLACHST GEH

Documents

Product Drawings

7P, RAST 5 Tab Header, THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1971845-7_B_c-1971845-7-b.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1971845-7_B_c-1971845-7-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971845-7_B_c-1971845-7-b.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[7-1773465-5 RAST5.0 Flyer](#)

English

Product Specifications

[Engineering Report](#)

English

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English

[VDE Certificate](#)

English

[VDE Certificate](#)

English