



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: **2**

Centerline (Pitch): **2.5 mm [.098 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

PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
-------------------	--------

Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without



PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.3 µm[11.81 µin]
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm, 16.8 mm[.11 in][.661 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Blue
Housing Material	Nylon

Dimensions

Connector Length	7.5 mm[.296 in]
Connector Height	11.3 mm[.444 in]
Connector Width	7 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

--	--



Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
-----------------------------	----------------------------

Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94V-0
Agency/Standard	UL

Packaging Features

Packaging Quantity	900
Packaging Method	Tape

Product Compliance

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

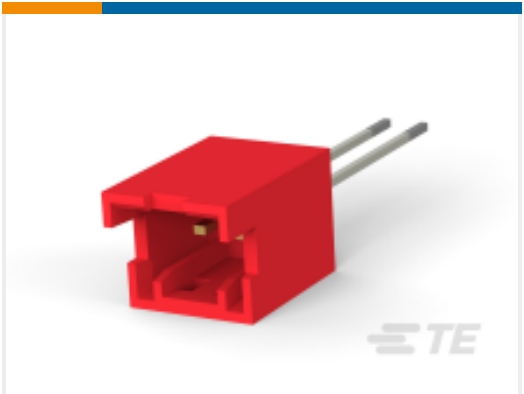
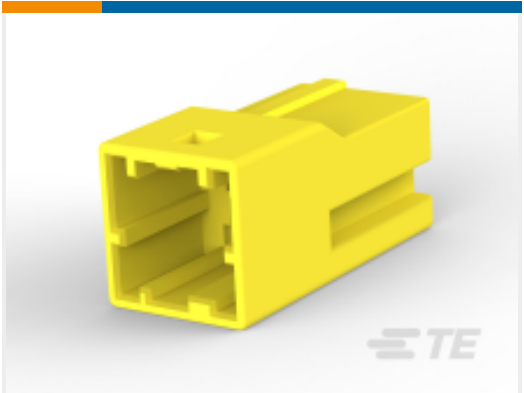
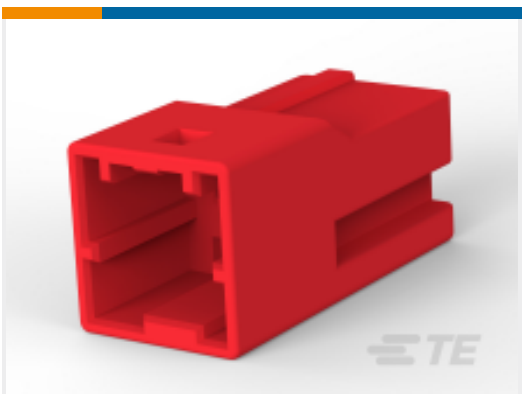
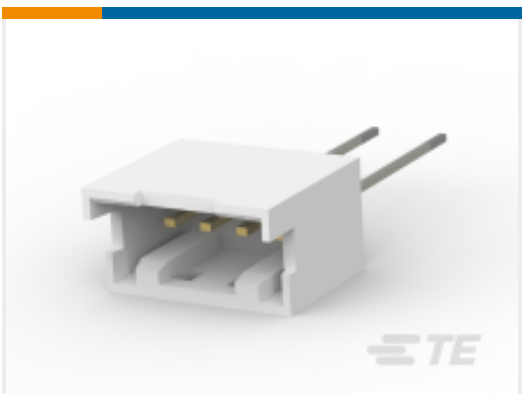
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

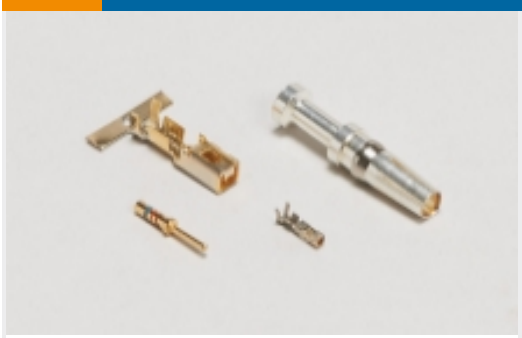
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5-1747072-5 GRACE INERTIA CONN 2.5 ON TAPE HDR 5P NA	 TE Part # 6-1747072-2 GRACE INERTIA CONN 2.5 ON TAPE HDR 2P RE	 TE Part # 5-1747072-3 GRACE INERTIA CONN 2.5 ON TAPE HDR 3P NA	 TE Part # 7-1747072-4 GRACE INERTIA CONN 2.5 ON TAPE HDR 4P BL
 TE Part # 6-1747072-4 GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE	 TE Part # CAT-G7534A-C1701 STD Temp Sig GRACE INERTIA Cap	 TE Part # 5-1747511-1 GRACE INERTIA CONN 2.5 ON TAPE HDR 3/5P	 TE Part # 1903391-1 GIC 2.5 W CAP HSG 2P NATURAL
 TE Part # 1-1903391-2 GIC 2.5 W CAP HSG 2P RED	 TE Part # 5-1747072-4 GRACE INERTIA CONN 2.5 ON TAPE HDR 4P NA	 TE Part # 5-1747072-2 GRACE INERTIA CONN 2.5 ON TAPE HDR 2P NA	 TE Part # 5-1747072-6 GRACE INERTIA CONN 2.5 ON TAPE HDR 6P NA
 TE Part # 7-1747511-1 GIC 2.5 ON TAPE HDR 3/5P BLUE			

Also in the Series | GRACE INERTIA 2.5

 Connector Contacts(2)	 PCB Latches, Locks & Retainers(5)	 Rectangular Connector Housings(49)	 Rectangular Connector Locking(2)
--	---	---	---



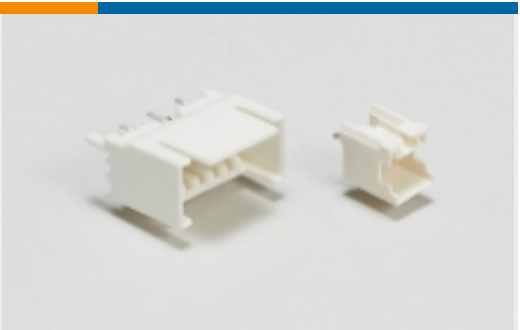
Rectangular Power Connectors(36)



Wire-to-Board Connector Assemblies & Housings(69)



Wire-to-Board Connector Contacts(4)

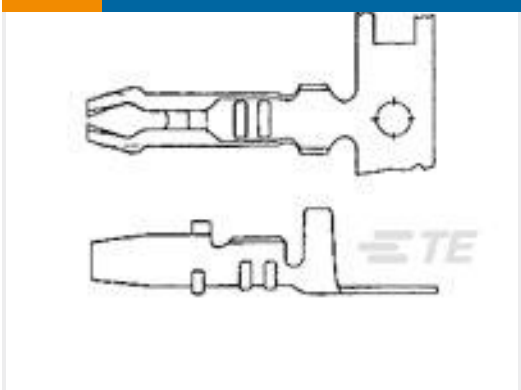


Wire-to-Board Headers & Receptacles (138)

Customers Also Bought



TE Part #1376478-2
2.5 SMC HDR 2POS WHITE (LP)



TE Part #170338-1
AMP-IN 22-18 AWG



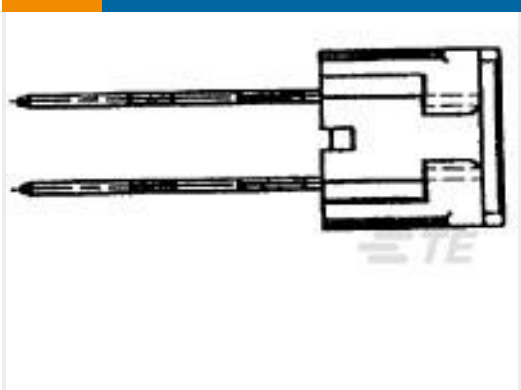
TE Part #1565087-1
STD Temp GRACE INERTIA Cap



TE Part #1747049-1
Glow Wire GRACE INERTIA Header



TE Part #1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY 2P NATUR



TE Part #917894-1
2.5 S.D.L STD V 2P HDR ON/TAPE



TE Part #170140-6
187 FASTON,FLAG,REC.,16-20 AWG, TPBR



TE Part #1-172129-1
FF 250 REC HSG 1P NYLON NAT

Documents

Product Drawings

GRACE INERTIA CONN 2.5 ON TAPE HDR 2P BL

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1747072-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1747072-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1747072-2_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Product Specifications

Application Specification

Japanese