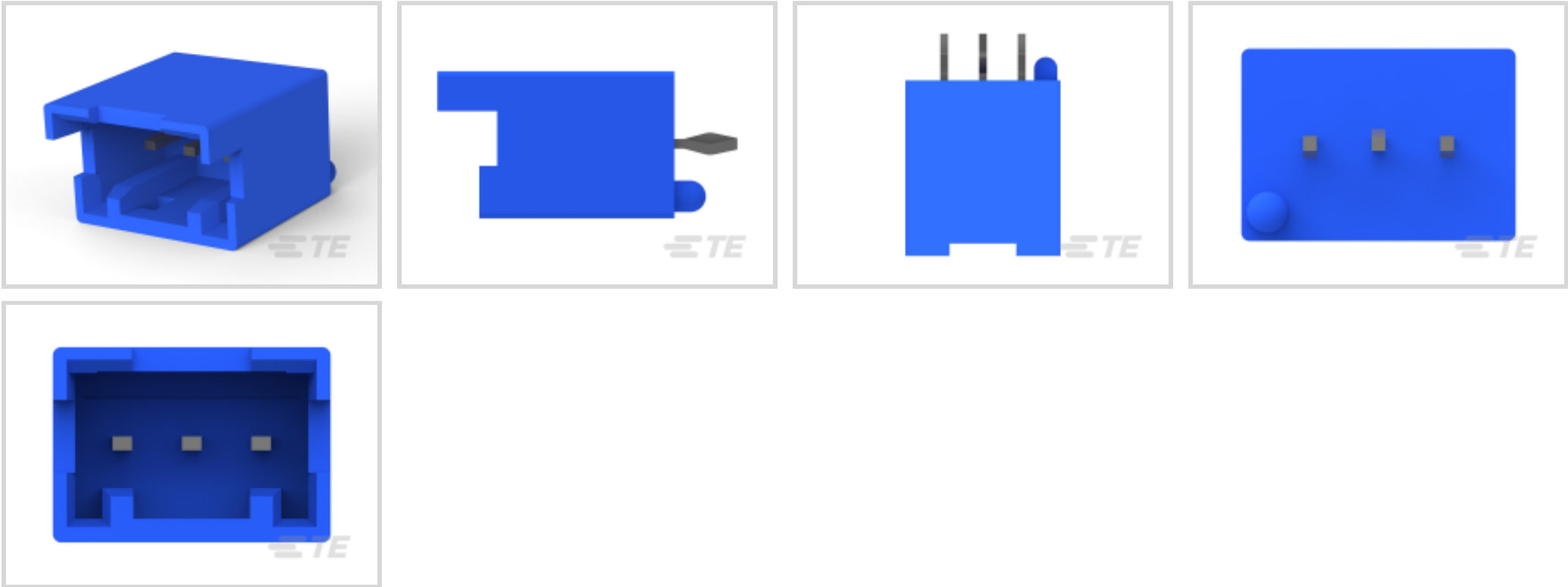




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
-------------------	--------

Body Features

Primary Product Color	Blue
-----------------------	------



Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Tab Width	.7 mm[.028 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Base Material	Brass
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	3.5 A
Termination Features	
Termination Post & Tail Length	3 mm[.118 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Boss
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	Nylon



Centerline (Pitch)	2.5 mm[.098 in]
--------------------	-----------------

Dimensions

Connector Width	7 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	11.3 mm[.44 in]
Connector Length	10 mm[.393 in]

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Method	Bag

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

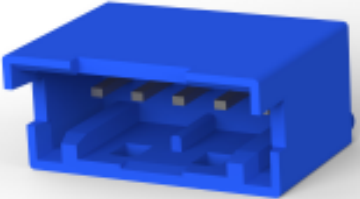
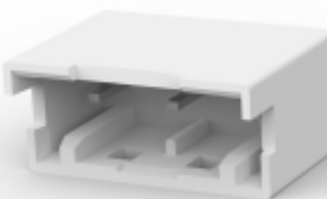
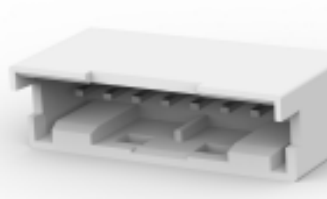
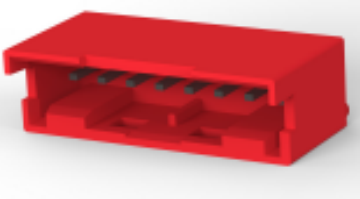
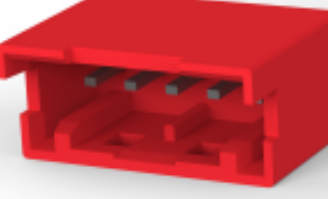
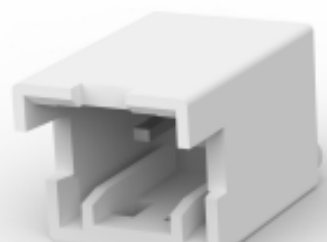
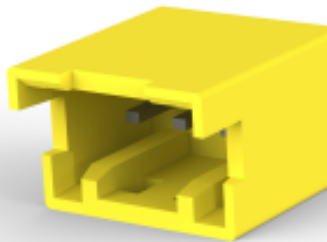
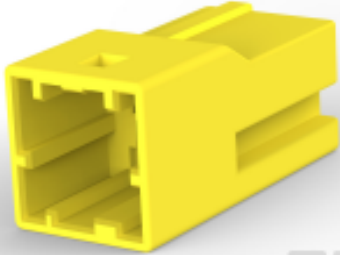
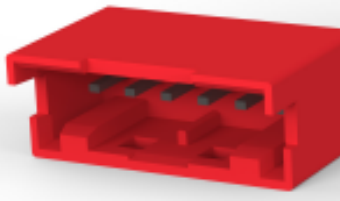
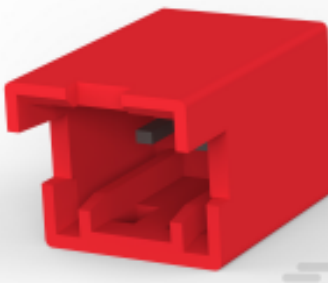
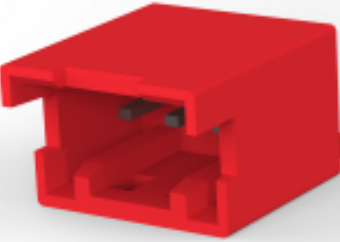
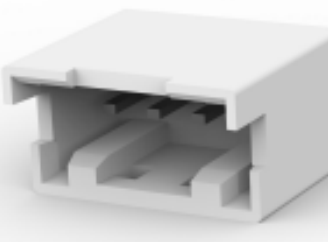
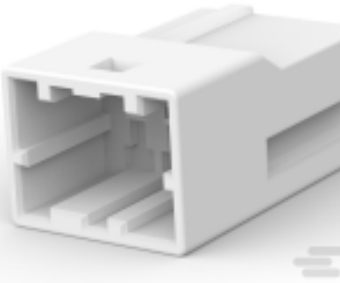
Product Compliance Disclaimer

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>

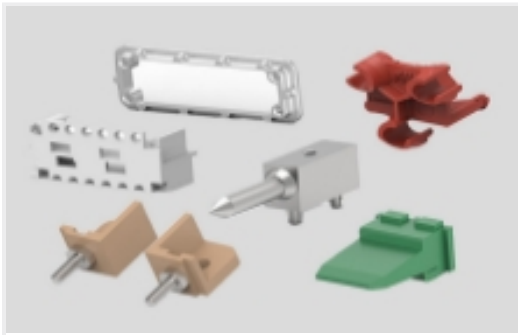
Compatible Parts

 TE Part # 2-1871843-5 GIC 2.5 HDR ASSY TIN VERSION 5P BLUE	 TE Part # 1871843-3 GIC 2.5 HDR ASSY TIN VERSION 3P	 TE Part # 2013485-1 GIC 2.5 HDR ASSY TIN VERSION 3/5P	 TE Part # 1871843-8 GIC2.5 HDR ASSY TIN VERSION 8P NATURAL
 TE Part # 1-1871843-8 GIC 2.5 HDR ASSY TIN VERSION 8P RED	 TE Part # 1-1871843-5 GIC 2.5 HDR ASSY TIN VERSION 5P RED	 TE Part # 1871843-2 GIC 2.5 HDR ASSY TIN VERSION 2P	 TE Part # 3-1871843-3 GIC 2.5 HDR ASSY TIN VERSION 3P YELLOW
 TE Part # CAT-G7534A-C1701 STD Temp Sig GRACE INERTIA Cap	 TE Part # 2013523-1 GIC 2.5 HDR ASSY TIN VERSION 2/3P	 TE Part # 1-1871843-6 GIC2.5 HDR ASSY TIN VERSION 6P RED	 TE Part # 1-1871843-2 GIC2.5 HDR ASSY TIN VERSION 2P RED
 TE Part # 1-1871843-3 GIC 2.5 HDR ASSY TIN VERSION 3P RED	 TE Part # 1871843-4 GIC2.5 HDR ASSY TIN VERSION 4P NATURAL	 TE Part # 1903392-1 GIC 2.5 W CAP HSG 3P NATURAL	

Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



Power Contacts(2)



Rectangular Connector Housings(69)



Rectangular Power Connectors(20)

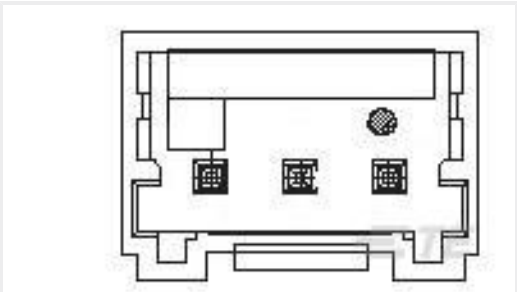


Standard Rectangular Connectors(69)



Wire-to-Board Connector Assemblies & Housings(27)

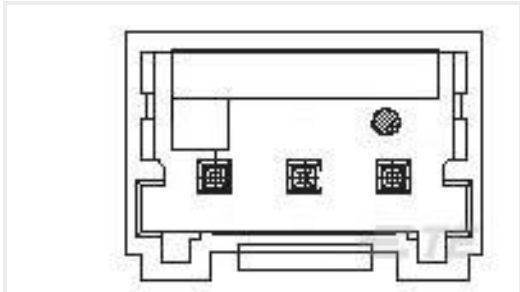
Customers Also Bought



TE Part #1-1971032-8
8POS HEADER ASSEMBLY FOR GIC 2.0 EV



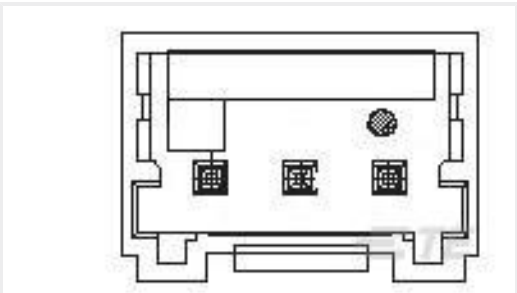
TE Part #1-292173-4
CT BOX HDR H SMT 4P O/TAPE NAT



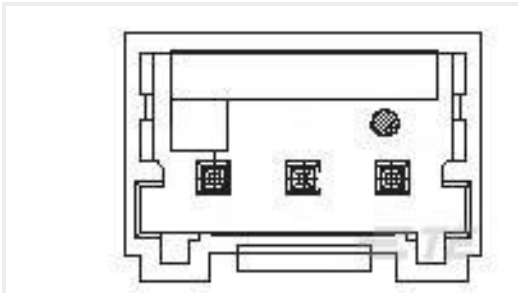
TE Part #1971032-3
3P HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #1747052-1
GRACE INERTIA CONNECTOR 7.92 2POS_HEADER



TE Part #1-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV



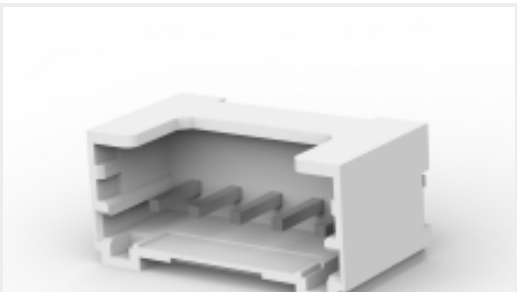
TE Part #1971032-8
8POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #2-1747052-3
GIC 7.92MM CONN HDR ASS'Y 2POS BLUE



TE Part #1-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #1971032-5
5P HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part #179844-1
AMP POWER D/LOCK T/HDR ASSY 2P

Documents



Product Drawings

GIC 2.5 HDR ASSY TIN VERSION 3P BLUE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1871843-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1871843-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1871843-3_D.3d_stp.zip

English

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

Product Specifications

Application Specification

English