1-1971032-4 ✔ ACTIVE

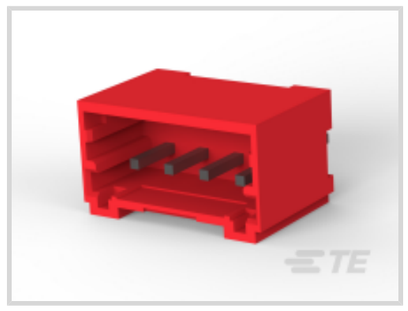
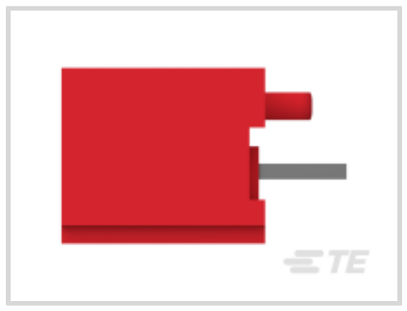
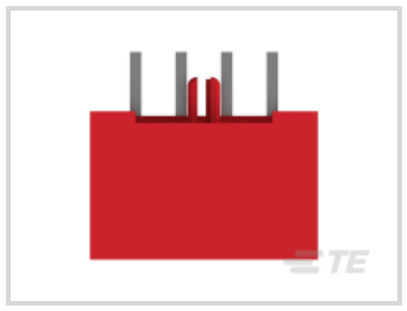
GRACE INERTIA | GRACE INERTIA 2.0

TE Internal #: 1-1971032-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, GRACE INERTIA 2.0

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Red

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 µm[78.74 µin]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.73 µin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	2.2 A

Termination Features

Termination Post & Tail Length	2.6 mm[.102 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	Nylon 66 GF
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	5.6 mm[.22 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Connector Height	6.5 mm[.255 in]
Connector Length	10 mm[.393 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Package

Product Compliance

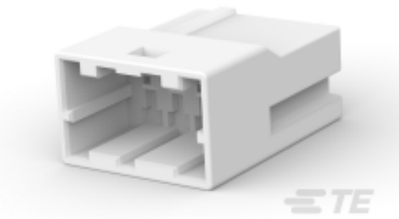
For compliance documentation, visit the product page on TE.com>

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 260°C

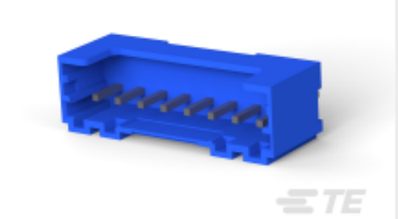
Product Compliance Disclaimer

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

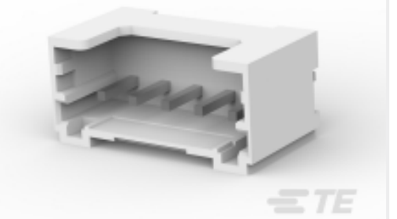
Compatible Parts



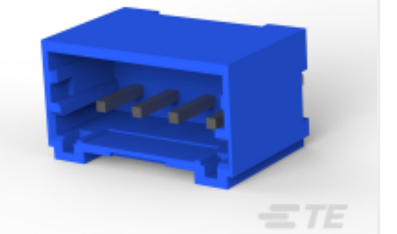
TE Part # 1903393-1
GIC 2.5 W CAP HSG 4P NATURAL



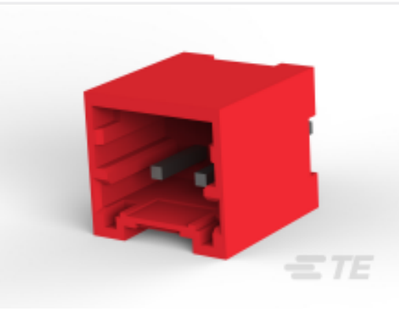
TE Part # 2-1971032-8
8POS HEADER ASSEMBLY FOR GIC 2.0 EV



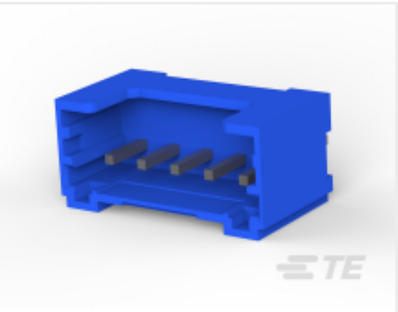
TE Part # 1971032-5
5P HEADER ASSEMBLY FOR GIC 2.0 EV



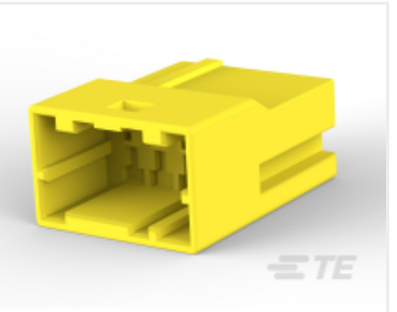
TE Part # 2-1971032-4
4POS HEADER ASSMBLY FOR GIC 2.0 EV



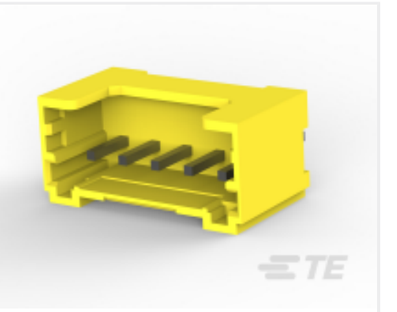
TE Part # 1-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 2-1971032-5
5POS HEADER ASSEMBLY FOR GIC 2.0 EV

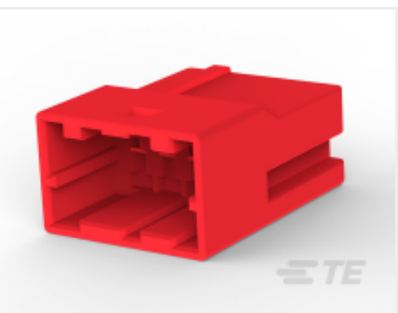


TE Part # 3-1903393-4
GIC 2.5 W CAP HSG 4P YELLOW



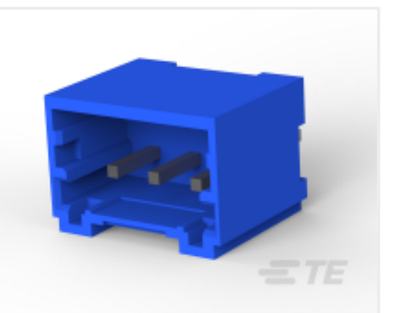
TE Part # 3-1971032-5
5POS HEADER ASSEMBLY FOR GIC 2.0 EV

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

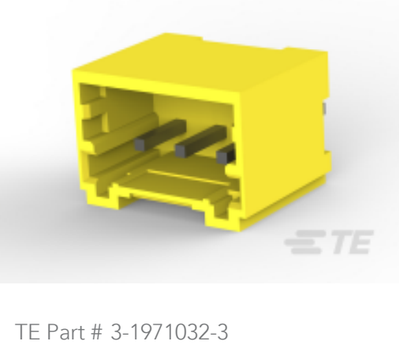


TE Part # 1-1903393-2
GIC 2.5 W CAP HSG 4P RED

TE Part # 1971032-6
6POS HEADER ASSEMBLY FOR GIC 2.0 EV

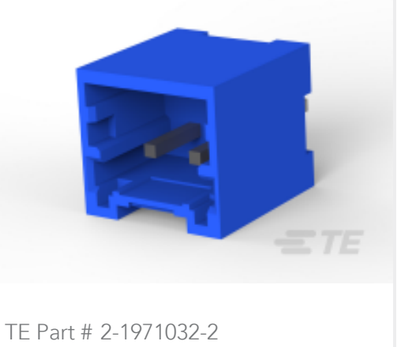


TE Part # 2-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV



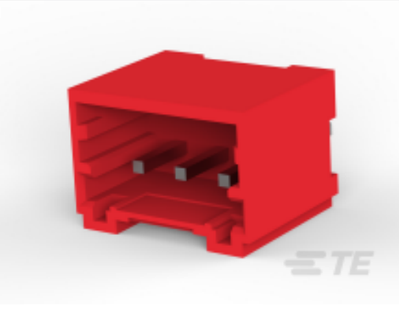
TE Part # 3-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV

TE Part # 2-1971032-6
6POS HEADER ASSEMBLY FOR GIC 2.0 EV



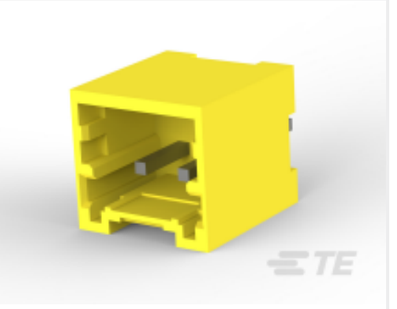
TE Part # 2-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV

TE Part # 1-1971032-5
5POS HEADER ASSEMBLY FOR GIC 2.0 EV



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

TE Part # 1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV

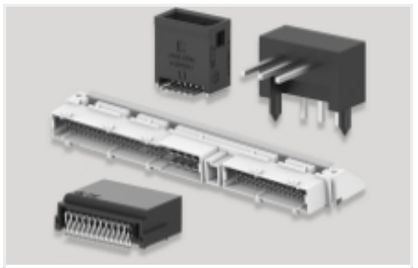


TE Part # 3-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV

Also in the Series | GRACE INERTIA 2.0

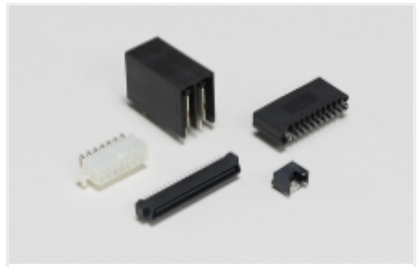
PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, GRACE INERTIA 2.0

Connector Contacts(4)



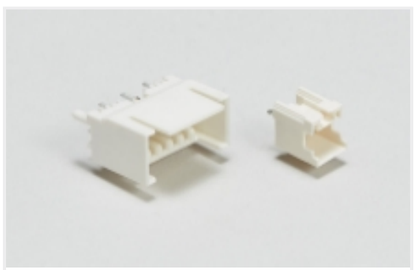
PCB Headers & Receptacles(70)

Rectangular Connector Housings(20)



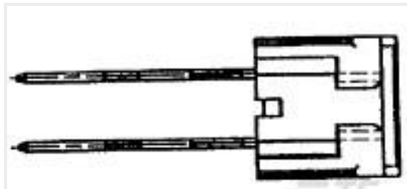
Standard Rectangular Connectors(38)

Wire-to-Board Connector Assemblies & Housings(1)

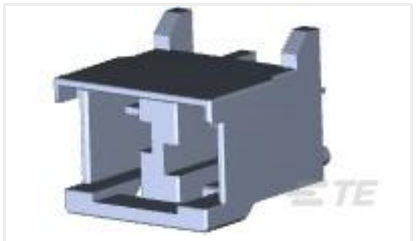


Wire-to-Board Headers & Receptacles (70)

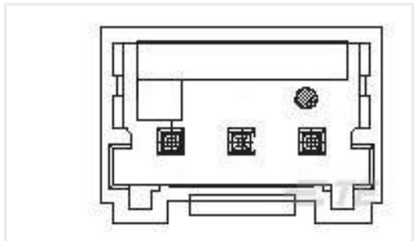
Customers Also Bought



TE Part #316879-1
2.5 S.D.LOCK 2P HDR ON TAPE



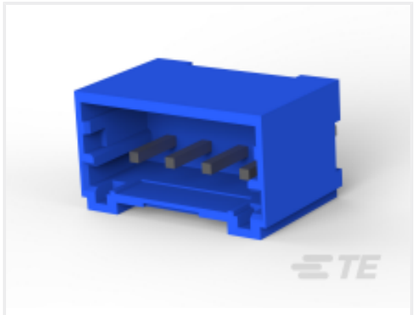
TE Part #1-1747052-2
GIC 7.92MM CONN HDR ASS'Y 2POS RED



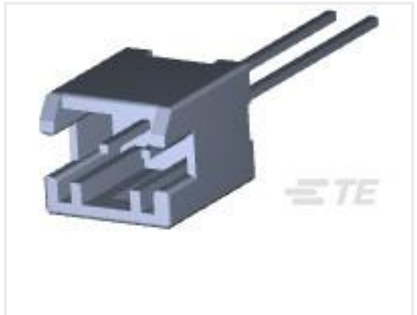
TE Part #1-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV

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

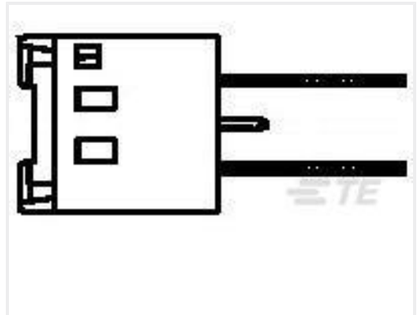
TE Part #5-1376492-2
2.5 SMC HDR 2P WHITE TAPE



TE Part #2-1971032-4
4POS HEADER ASSMBLY FOR GIC 2.0 EV



TE Part #6-1376492-2
2.5 SMC HDR 2POS RED TAPE



TE Part #1871845-3
GIC 2.5 ON TAPE HDR TIN VERSION 3P

TE Part #3-176976-4
UNIV.POWER HDR ASSY 3P

TE Part #3-176976-6
UNIV POWER HDR ASSY 3P BLUE

Documents

Product Drawings

4POS HEADER ASSEMBLY FOR GIC 2.0 EV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1971032-4_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1971032-4_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971032-4_D.3d_stp.zip

English

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Product Specifications

Application Specification

English