3-1971032-2 ✔ ACTIVE

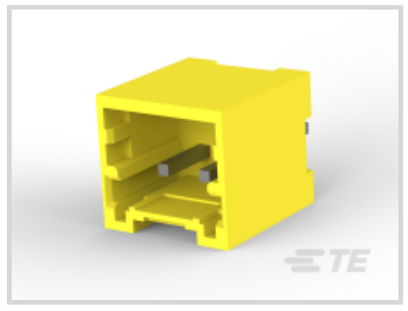
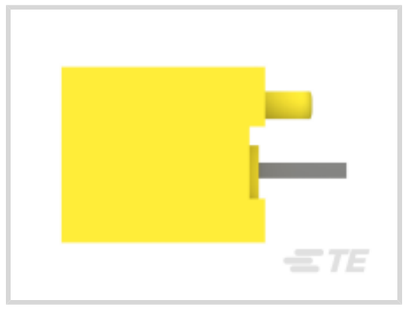
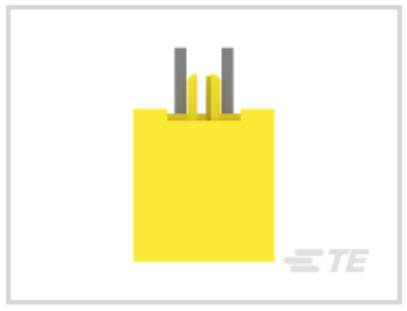
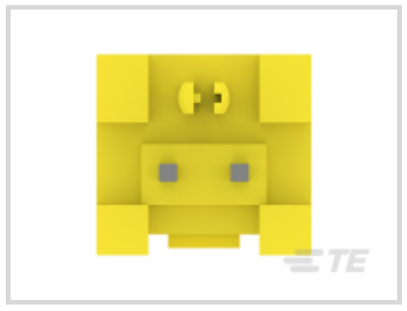
GRACE INERTIA 2.0

TE Internal #: 3-1971032-2

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles


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

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **2 mm [.079 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Yellow

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	6 mm[.23 in]
Connector Height	6.5 mm[.255 in]

Connector Width	5.6 mm[.22 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

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
Packaging Method	Package

Product Compliance

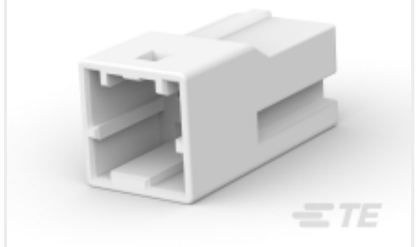
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

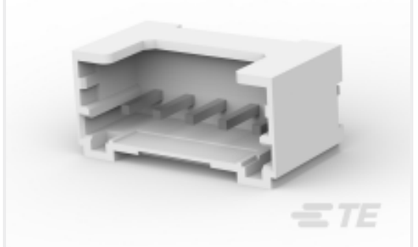
Product Compliance Disclaimer

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

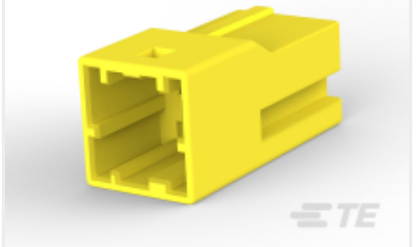
Compatible Parts



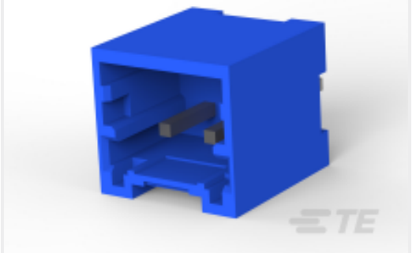
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GIC 2.5 W CAP HSG 2P NATURAL



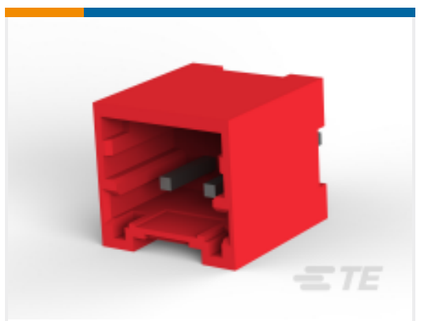
TE Part # 1971032-5
5P HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



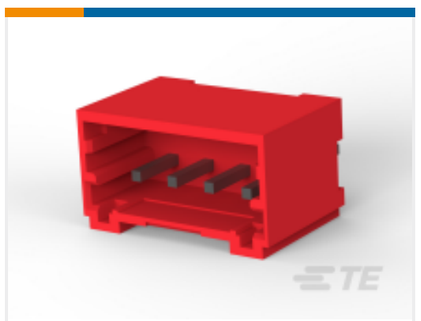
TE Part # 2-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



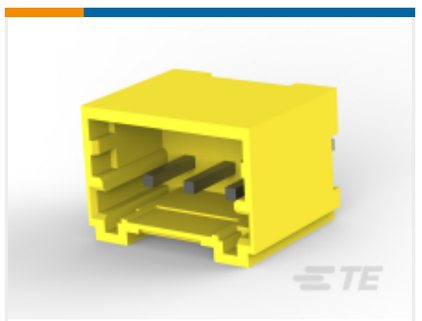
TE Part # 1-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



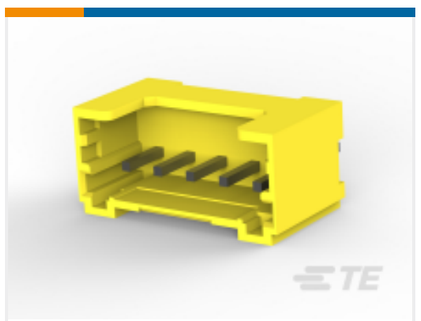
TE Part # 1971032-6
6POS HEADER ASSEMBLY FOR GIC 2.0 EV



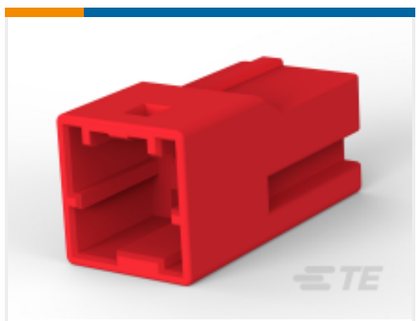
TE Part # 1-1971032-4
4POS HEADER ASSEMBLY FOR GIC 2.0 EV



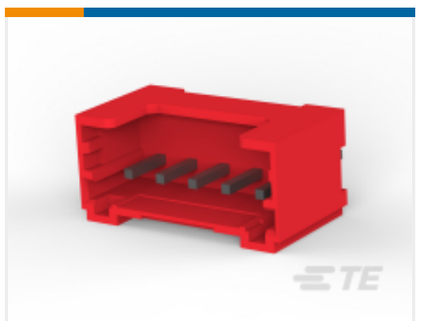
TE Part # 3-1971032-3
3POS HEADER ASSEMBLY FOR GIC 2.0 EV



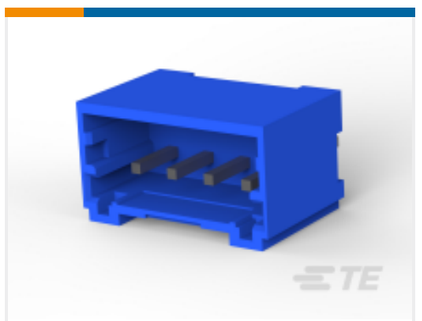
TE Part # 3-1971032-5
5POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 1-1903391-2
GIC 2.5 W CAP HSG 2P RED



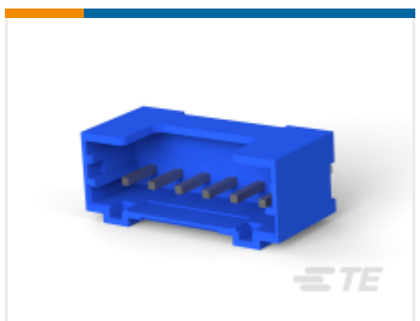
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5POS HEADER ASSEMBLY FOR GIC 2.0 EV



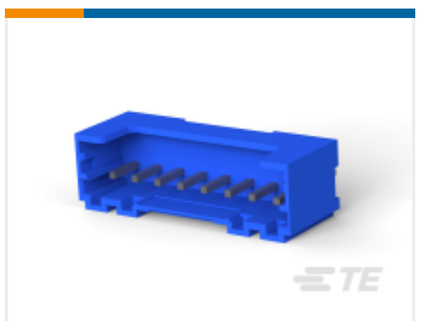
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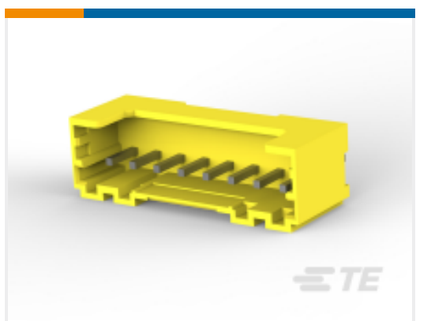
TE Part # 1971032-1
10POS HEADER ASSEMBLY FOR GIC 2.0 EV



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



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

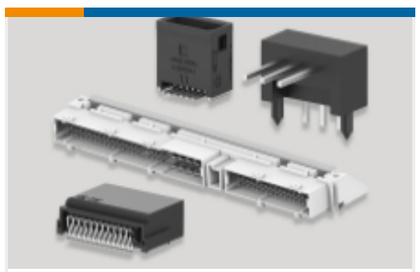


TE Part # 3-1971032-8
8POS HEADER ASSEMBLY FOR GIC 2.0 EV

Also in the Series | GRACE INERTIA 2.0



Connector Contacts(3)



PCB Headers & Receptacles(70)



Rectangular Connector Housings(20)



Standard Rectangular Connectors(18)

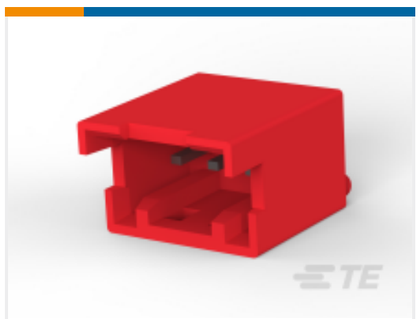


Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



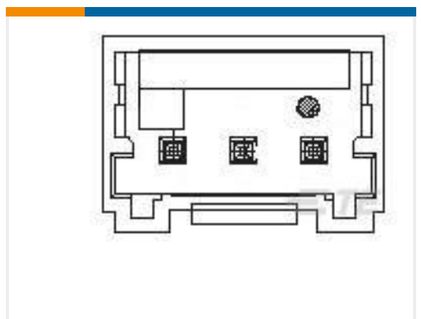
TE Part #1-292173-4
CT BOX HDR H SMT 4P O/TAPE NAT



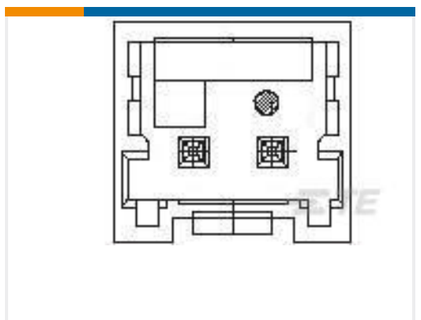
TE Part #1-1871843-3
GIC 2.5 HDR ASSY TIN VERSION 3P RED



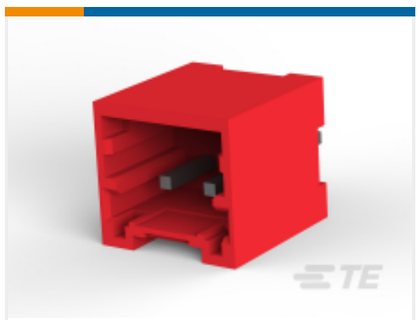
TE Part #1871843-3
GIC 2.5 HDR ASSY TIN VERSION 3P



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



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



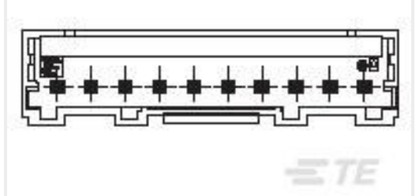
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2POS HEADER ASSEMBLY FOR GIC 2.0 EV



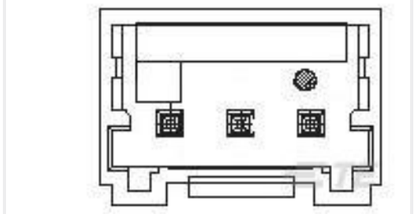
TE Part #1971032-6
6POS HEADER ASSEMBLY FOR GIC 2.0 EV



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



TE Part #1971032-9
9POS HEADER ASSEMBLY FOR GIC 2.0 EV



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

Documents

Product Drawings

2POS HEADER ASSEMBLY FOR GIC 2.0 EV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1971032-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1971032-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1971032-2_D.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SMW73R0JT 650075-000 917696-1 ROX05SJ18R SBCHE64R7K 1969656-1 2-292161-3 3430B2F51RTDF 936348-1 1743455-2 175977-2 3-1393225-0 TE50BR39J U5254-000005-030PA 141991-2 2834055-1 SBCHE154R7K 1-794222-0 1-962915-1 2005330-1 2310537-1 2380312-2 RH73H2A40MKTN 2377783-2 3631B101LL CRGCQ2010J3K3 1393431-1 1903112-2 CPF0402B37K4E1 MPT100C18RF