1971032-4 ✔ ACTIVE

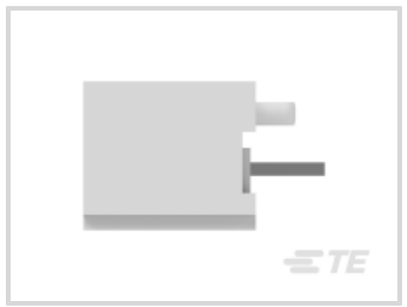
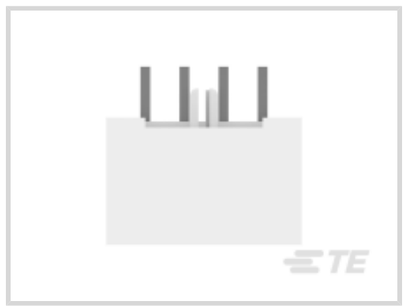
GRACE INERTIA 2.0

TE Internal #: 1971032-4

PCB Mount Header, Vertical, Wire-to-Board, 4 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: **4**

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	4
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Connector & Keying Code	A
Primary Product Color	Natural

Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Inline
Mating Tab Width	.5 mm[.02 in]
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 Shape & Form	Square
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
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon 6/6 GF
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	10 mm[.39 in]
Connector Height	6.35 mm[.25 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

Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Package

Product Compliance

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

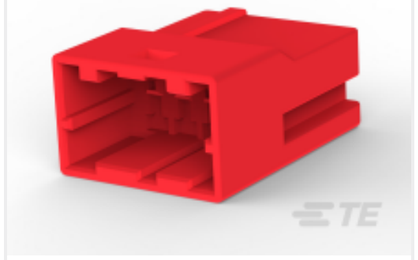
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

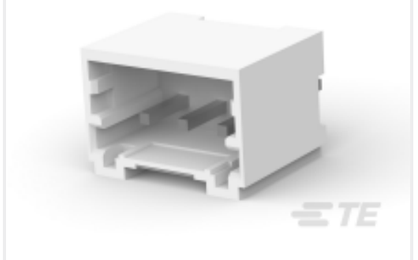
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

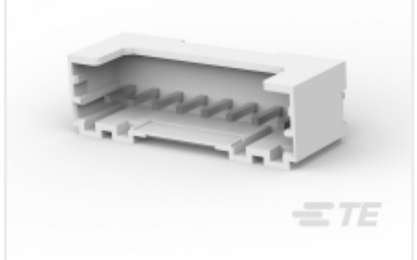
Compatible Parts



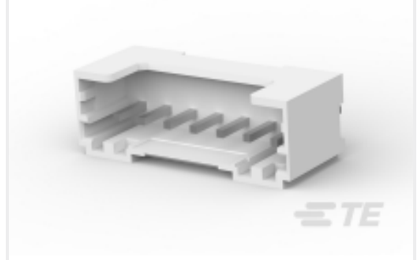
TE Part # 1-1903393-2
GIC 2.5 W CAP HSG 4P RED



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



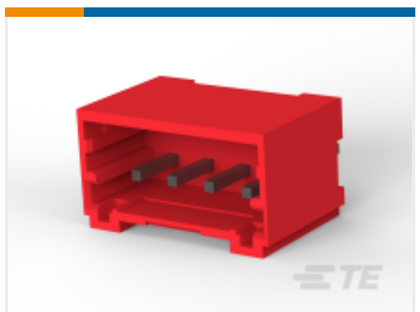
TE Part # 1971032-8
8POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 1971032-7
7pos header assembly for gic 2.0 ev



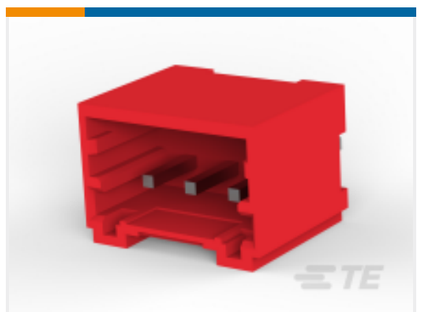
TE Part # 1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV



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



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



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



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



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



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



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

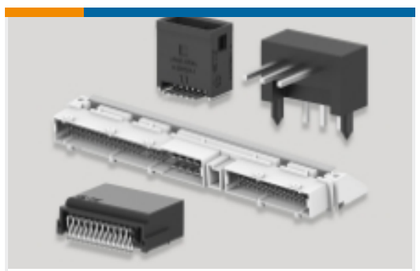


TE Part # 1971200-1
GIC 2.0 EV 5/8P HEADER ASSEMBLY

Also in the Series | GRACE INERTIA 2.0



Connector Contacts(3)



PCB Headers & Receptacles(70)



Rectangular Connector Housings(20)

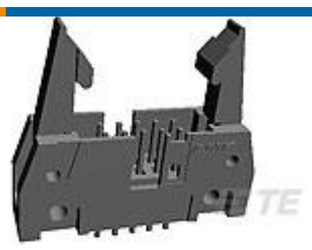


Standard Rectangular Connectors(18)



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

Customers Also Bought



TE Part #5499922-1
A/L UNIV HDR 10P VERT LG LAT



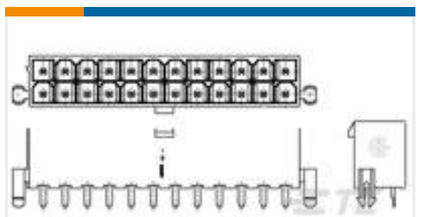
TE Part #1-1827875-3
DYNAMIC 1200D HDR ASSY V 6P X BLACK GOLD



TE Part #173977-3
CT CONN MT REC ASSY 3P



TE Part #5-104362-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #1586040-4
4P VAL-U-LOK VRT HDR W/P V0



TE Part #1625890-4
2W SM M/OX 5% 100R



TE Part #5-103944-1
8X2 MTE SHRD PIN SR POL .100CL



TE Part #2132415-4
EP2.5 Shrouded HDR ASSY 4P VERT w/o boss

Documents

Product Drawings

4POS HEADER ASSEMBLY FOR GIC 2.0 EV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1971032-4_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1971032-4_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1971032-4_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

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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