1971032-2 ✔ ACTIVE

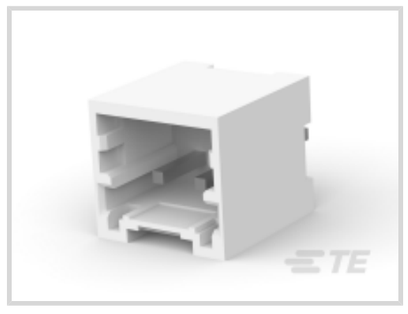
GRACE INERTIA | GRACE INERTIA 2.0

TE Internal #: 1971032-2

PCB Mount Header, Vertical, Wire-to-Board, 2 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: **2**

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

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	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC

Body Features

Connector & Keying Code	A

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.5 mm[.02 in]
Mating Tab Width	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 µm[78.74 µin]
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 Type	Latch
Mating Alignment Type	Keyed
PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2 mm[.079 in]

Housing Material	Nylon 6/6 GF

Dimensions

Connector Width	5.6 mm[.22 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	6.35 mm[.25 in]
Connector Length	8 mm[.31 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Method	Package

Product Compliance

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

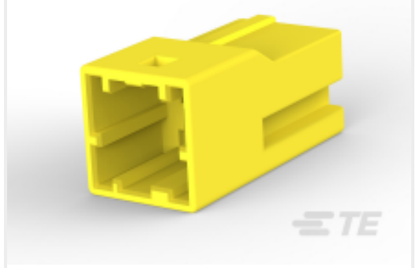
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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

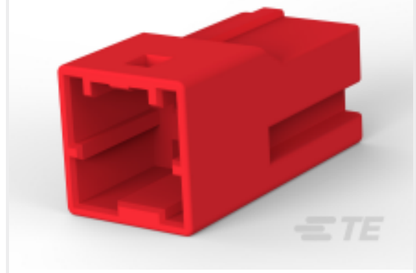
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

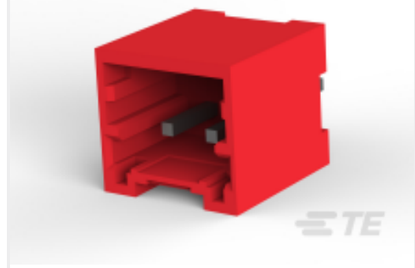
Compatible Parts



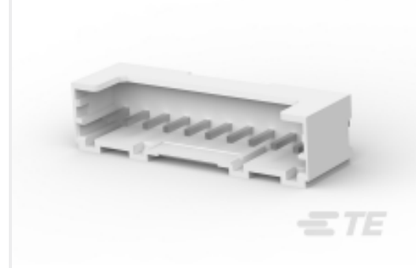
TE Part # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap



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



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



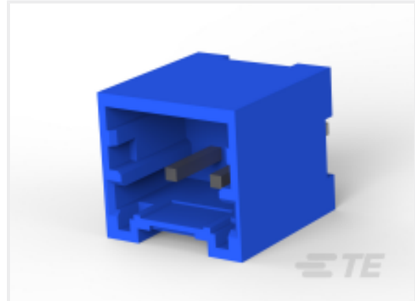
TE Part # 1971032-1
10POS HEADER ASSEMBLY FOR GIC 2.0 EV



TE Part # 2-2013924-1
GIC 2.0 HDR ASSY 10P TIN VERTION (BLUE)



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



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



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



TE Part # 3-1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P YELL



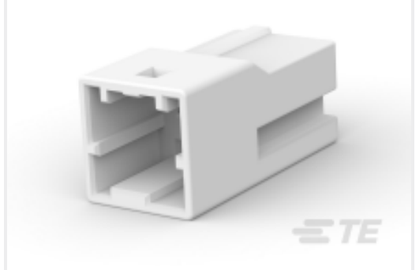
TE Part # 2-1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P BLUE



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



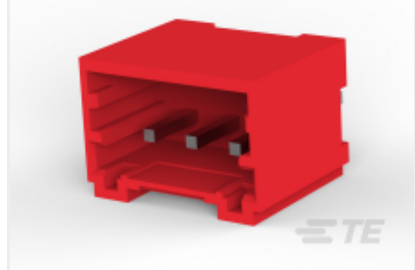
TE Part # 1-2013924-1
GIC 2.0 HDR ASSY 10POS TIN VERTION (RED)



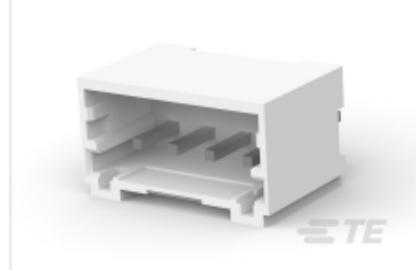
TE Part # 1903391-1
GIC 2.5 W CAP HSG 2P NATURAL



TE Part # 3-2013924-1
GIC 2.0 HDR ASSY 10P TIN VERTION YELLOW



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



TE Part # 2013924-1
GIC 2.0 HDR ASSY 10POS TIN VERTION (NAT)

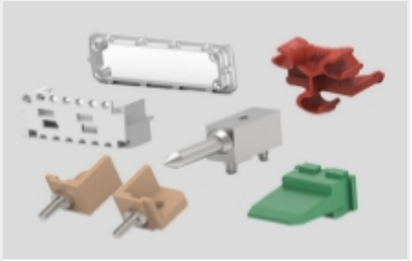


TE Part # 1971200-1
GIC 2.0 EV 5/8P HEADER ASSEMBLY

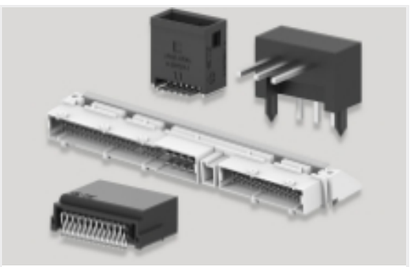
Also in the Series | GRACE INERTIA 2.0



Connector Contacts(6)



Connector Hardware(9)



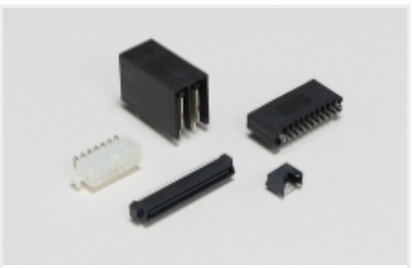
PCB Headers & Receptacles(70)



Rectangular Connector Housings(22)



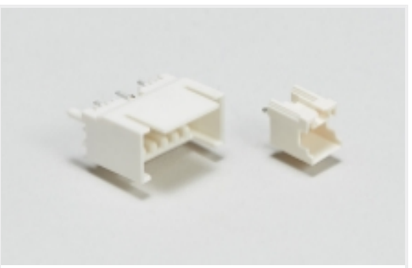
Rectangular Power Connectors(1)



Standard Rectangular Connectors(40)



Wire-to-Board Connector Assemblies & Housings(40)

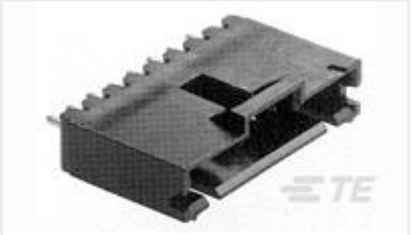


Wire-to-Board Headers & Receptacles (70)

Customers Also Bought



TE Part #5-104192-2
10 SYSTEM 50 RCPT ASSY SRST SN



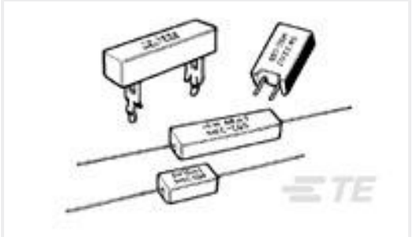
TE Part #6-104363-0
11 MTE HDR SRST LATCH .100CL



TE Part #178488-1
UP 3.96 5P TAB HDR NAT TYPE 1



TE Part #292303-1
Std USB Type A, R/A, T/H



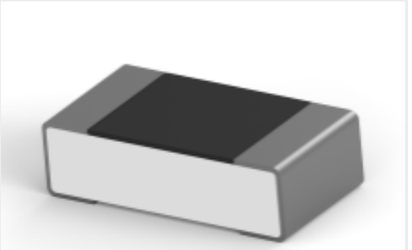
TE Part #1-1623782-8
SQM5 18K 5% (METAL FILM)



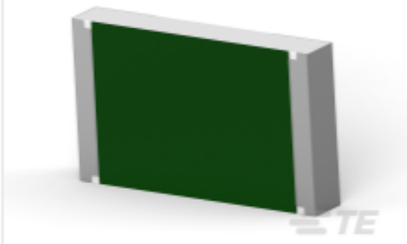
TE Part #2-1879021-9
SMW3 1R5 5%



TE Part #5-1879134-7
RN 0603 38K3 0.1% 10PPM 1K RL



TE Part #2176368-9
RQ 0603 60K4 0.1% 10PPM 1K RL



TE Part #3-2176400-4
3540 24R 1%



TE Part #5745440-4
25 RCPT RA/MS 454

Documents

Product Drawings

2POS HEADER ASSEMBLY FOR GIC 2.0 EV

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1971032-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1971032-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1971032-2_D.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English