2-2013924-1 ✔ ACTIVE

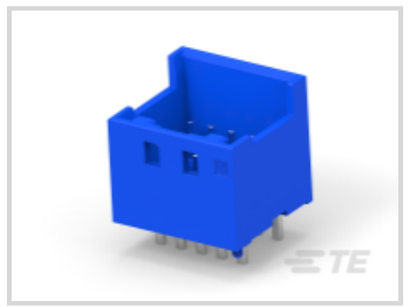
GRACE INERTIA 2.0

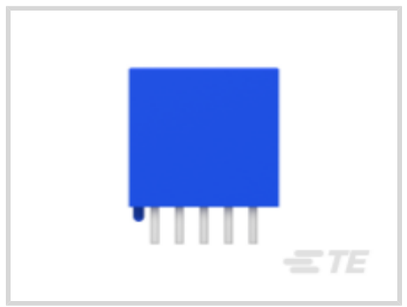
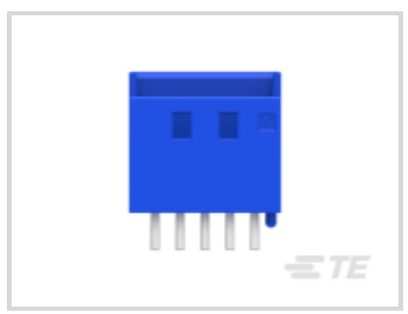
TE Internal #: 2-2013924-1

PCB Mount Header, Vertical, Wire-to-Board, 10 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: **10**

Number of Rows: **2**

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	10
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Primary Product Color	Blue

Contact Features

PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.5 mm[.02 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
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)	2.5 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Retention	With
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	12 mm[.47 in]
Connector Height	11.3 mm[.44 in]
Connector Width	10.9 mm[.43 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Row-to-Row Spacing	5.2 mm[.205 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	500
Packaging Type	Bag

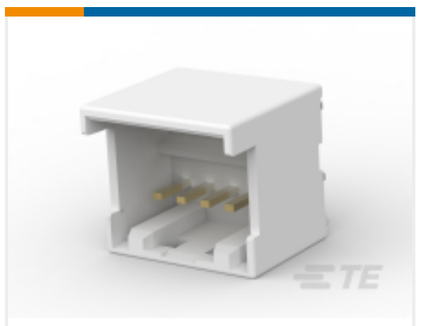
Product Compliance

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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

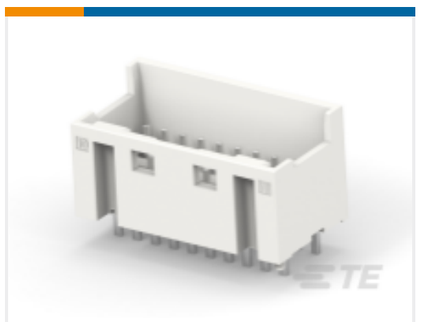


TE Part # 1747070-1
GRACE INERTIA CONN 2.0 HDR ASSY 10P NATU

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

TE Part # 1-1747070-1
GRACE INERTIA ONN 2.0 HDR ASSY 10P RED

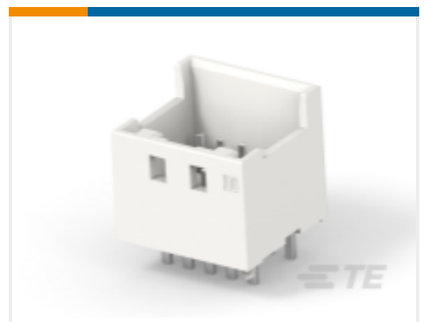
TE Part # 1-2013924-1
GIC 2.0 HDR ASSY 10POS TIN VERTION (RED)



TE Part # 1827229-6
GIC 2.0 HDR ASSY 20P

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

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

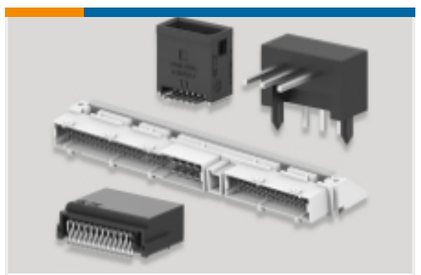


TE Part # 2013924-1
GIC 2.0 HDR ASSY 10POS TIN VERTION (NAT)

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

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

Also in the Series | GRACE INERTIA 2.0



PCB Headers & Receptacles(70)

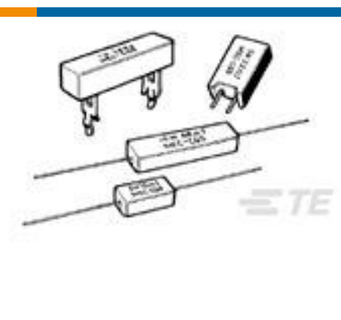
Rectangular Connector Housings(20)

Standard Rectangular Connectors(18)

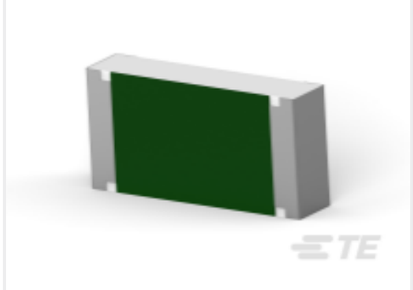
Wire-to-Board Connector Assemblies & Housings(1)

Wire-to-Board Connector Contacts(3)

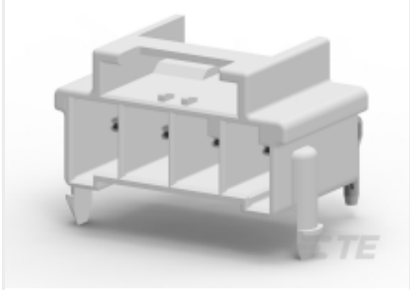
Customers Also Bought



TE Part #2-1623795-3
SQP2 R047 5% WIRE



TE Part #9-2176397-4
3502 7K5 1%



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP KEY A LGR

TE Part #YD369-B99-AP400000
Rectangular Connectors: 9-Way Panel Mount, 90PCB

TE Part #1-1630019-4
HSC200 2K4 5%

TE Part #YDTS24T15-18PNV001
RECP ASSY

TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

GIC 2.0 HDR ASSY 10P TIN VERTION (BLUE)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2013924-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2013924-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2013924-1_B.3d_stp.zip

English

Product Specifications

Application Specification

Japanese