6-1747072-2 ✔ ACTIVE

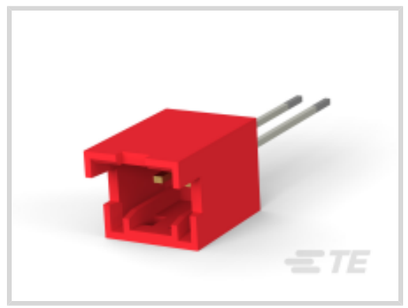
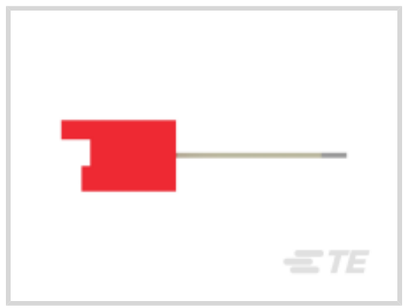
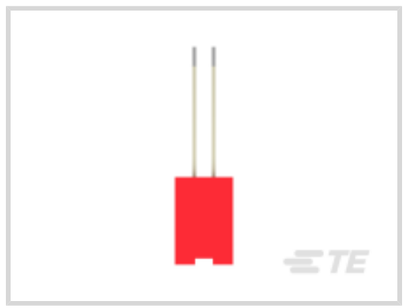
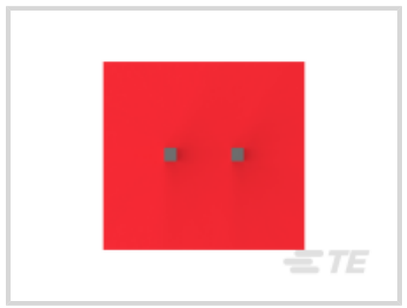
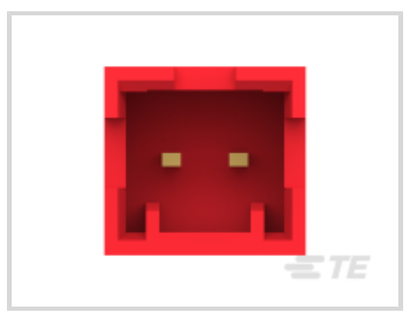
GRACE INERTIA 2.5

TE Internal #: 6-1747072-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, GRACE INERTIA 2.5

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

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

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	Red

Contact Features

PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 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	.3 µm[11.81 µin]
PCB Contact Termination 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	Gold
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm, 16.8 mm[.11 in][.661 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	7.5 mm[.296 in]

Connector Height	11.3 mm[.444 in]
Connector Width	7 mm[.27 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
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Tape

Product Compliance

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

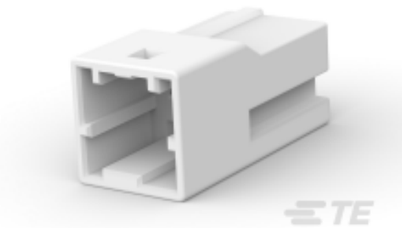
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

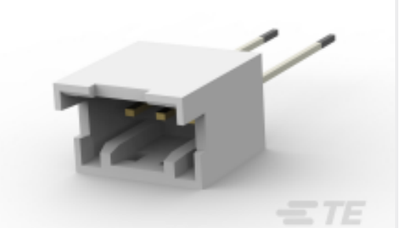
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

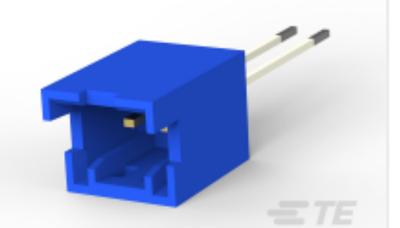
Compatible Parts



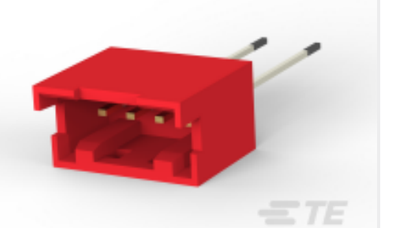
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GIC 2.5 W CAP HSG 2P NATURAL



TE Part # 5-1747072-3
GRACE INERTIA CONN 2.5 ON TAPE HDR 3P NA



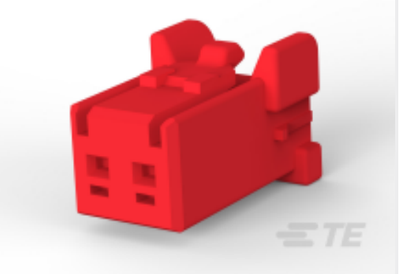
TE Part # 7-1747072-2
GRACE INERTIA CONN 2.5 ON TAPE HDR 2P BL



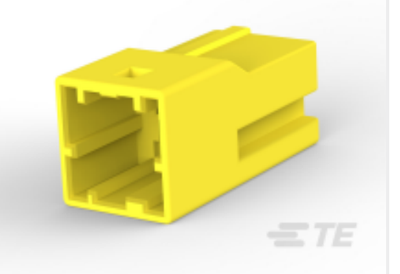
TE Part # 6-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P RE



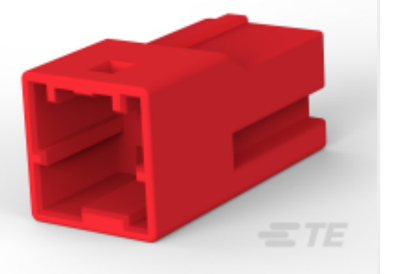
TE Part # 1747066-2
GRACE INERTIA CONN 2.5 PLUG HSG 2P NATUR



TE Part # 1-1747066-2
GRACE INERTIA CONN 2.5 PLUG HSG 2P RED



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



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

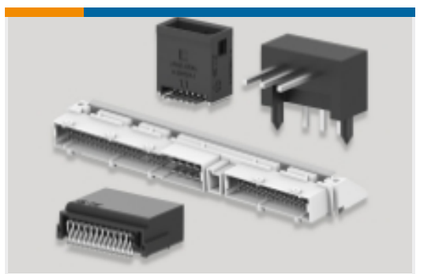
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(49)



Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought



TE Part #1-292207-2
MINI CT SGL DIP V 12P NAT



TE Part #1376478-2
2.5 SMC HDR 2POS WHITE (LP)



TE Part #1-292207-0
MINI CT SGL DIP V 10P NAT



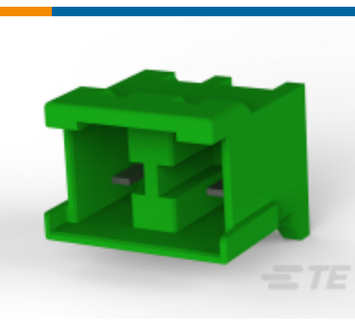
TE Part #5-1747072-5
GRACE INERTIA CONN 2.5 ON TAPE HDR 5P NA



TE Part #5-1747072-3
GRACE INERTIA CONN 2.5 ON TAPE HDR 3P NA



TE Part #7-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P BL



TE Part #1747052-5
GRACE INERTIA CONNECTOR 7.92 2POS HEADER



TE Part #5-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P NA

TE Part #6-1747072-3
GRACE INERTIA CONN 2.5 ON TAPE HDR 3P RE

Documents

Product Drawings

GRACE INERTIA CONN 2.5 ON TAPE HDR 2P RE

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_6-1747072-2_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1747072-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1747072-2_G.3d_stp.zip

English

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Product Specifications

Application Specification

Japanese

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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