1747052-1 ✔ ACTIVE

GRACE INERTIA 7.92

TE Internal #: 1747052-1

Header, Receptacle, Wire-to-Board, 2 Position, 7.92 mm [.312 in] Centerline, Printed Circuit Board, GRACE INERTIA 7.92, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **7.92 mm [.312 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Operating Voltage	300 VDC

Body Features

Connector & Keying Code	A

Contact Features

PCB Contact Termination Area Plating Material Thickness	.8 µm[31.496 µin]
Contact Layout	Inline
Mating Tab Width	1.5 mm[.059 in]
Contact Underplating Material Thickness	.8 – 3 µm[31.496 – 118.11 µin]
Contact Mating Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

Termination Features

Termination Post & Tail Length	4.4 mm[.173 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	7.92 mm[.312 in]
Housing Color	Natural

Housing Material	Nylon 6/6 GF

Dimensions

Connector Height	14.5 mm[.57 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Length	14.97 mm[.589 in]
Wire Size	434.18 – 2723.46 CMA

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	250
Packaging Method	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 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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

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 # 1747050-1
GRACE INERTIA CONNECTOR 7.92 2POS PLUG H

TE Part # 1-1747052-2
GIC 7.92MM CONN HDR ASS'Y 2POS RED

TE Part # 3-1747052-4
GIC 7.92MM CONN HDR ASS'Y 2POS YELLOW

TE Part # 2-1747052-5
GIC7.92 2POS_HDR ASS'Y GREEN KEYING C

TE Part # 1-1747052-4
GIC7.92 2POS_HDR ASS'Y YELLOW KEYING B

TE Part # 3-1747052-5
GIC7.92 2POS_HDR ASS'Y GREEN KEYING D

Also in the Series | GRACE INERTIA 7.92

Rectangular Power Connectors(39)

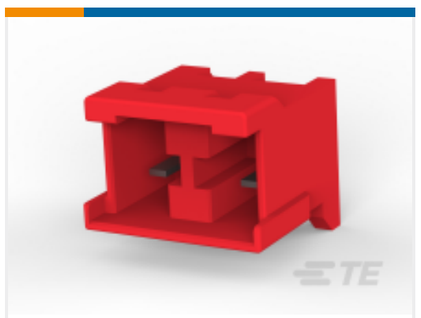
Customers Also Bought

TE Part #179844-1
AMP POWER D/LOCK T/HDR ASSY 2P

TE Part #1546931-4
4P UNSHROUD 5.0 HDR,HIGH TEMP

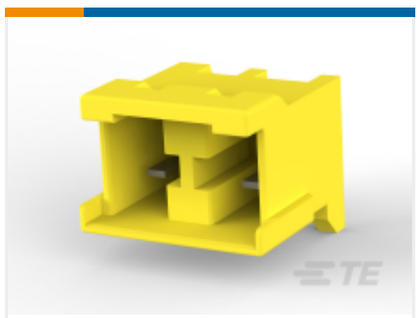
TE Part #7-1747072-4
GRACE INERTIA CONN 2.5 ON TAPE HDR 4P BL

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



TE Part #1747052-2
GIC7.92 2POS_HEADER ASS'Y RED KEYING A

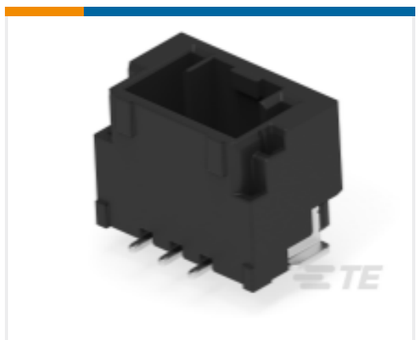
TE Part #1747996-1
GHC EYELET 12.4 2POS HEADER ASSY NATURAL



TE Part #1747052-4
GIC7.92 2POS_HEADER ASS'Y YELLO KEYING A

TE Part #3-1747052-1
GIC7.92 2POS_HDR ASS'Y NAT KEYING D

TE Part #2-1747052-1
GIC7.92 2POS_HDR ASS'Y NAT KEYING C



TE Part #2-2360547-3
SGI 1.5 HDR, 3P, VT, Key B, Black

Documents

Product Drawings

GRACE INERTIA CONNECTOR 7.92 2POS_HEADER

English

CAD Files

Customer View Model

ENG_CVM_CVM_1747052-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747052-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747052-1_F.3d_stp.zip

English

Datasheets & Catalog Pages

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Application Specification

English