1747996-3 ✔ ACTIVE

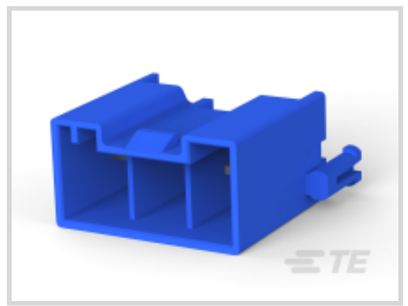
GRACE INERTIA 12.4

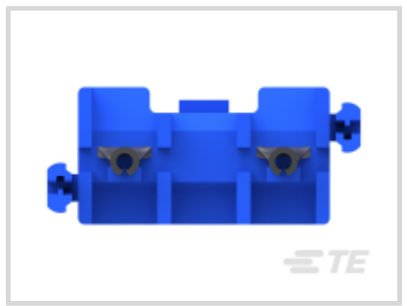
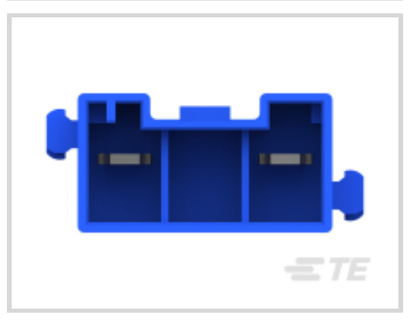
TE Internal #: 1747996-3

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 12.4 mm [.488 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 12.4

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): **12.4 mm [.488 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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 Power Positions	2
Number of Columns	2
Number of Loaded Positions	2
Connector Contact Load Condition	Fully Loaded
Number of Positions	2
Number of Rows	1

PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Connector & Keying Code	C
Primary Product Color	Blue

Contact Features

Contact Mating Area Length	7.4 mm[.291 in]
PCB Contact Termination Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Layout	Inline
Mating Tab Width	3.1 mm[.122 in]
Mating Tab Thickness	.8 mm[.031 in]
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	20 A

Termination Features

Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	With
Panel Mount Feature	Without
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	12.4 mm[.488 in]

Dimensions

Connector Length	19.65 mm[.774 in]
Connector Height	17.9 mm[.705 in]
Connector Width	10.7 mm[.421 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	150
Packaging Method	Bag

Product Compliance

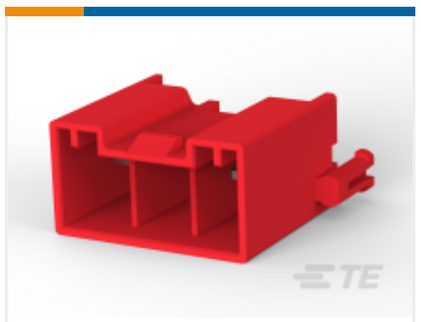
For compliance documentation, visit the product page on TE.com>

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: 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

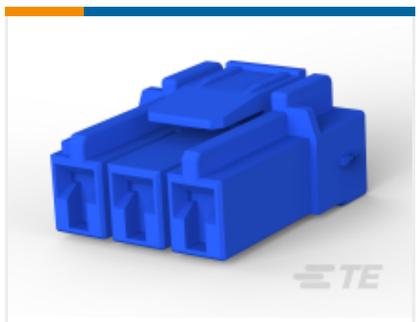
Product Compliance Disclaimer

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



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

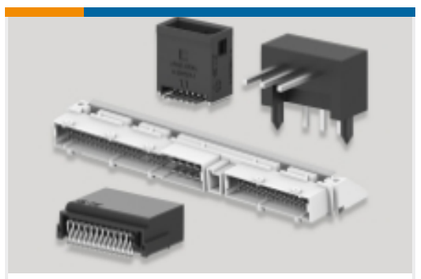


TE Part # 1747995-3
GHC EYELET 6.2 3POS PLUG HOUSING BLUE



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

Also in the Series | GRACE INERTIA 12.4



PCB Headers & Receptacles(4)

Customers Also Bought



TE Part #2-1903415-1
GHC 9.0 3POS HDR ASSY BLUE



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



TE Part #1-1903415-1
GHC 9.0 3POS HDR ASSY RED



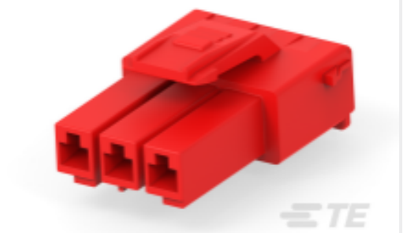
TE Part #1746062-1
2.5SDL HDR 14P STD ASSY NAT



TE Part #2-2360442-0
FOAMING PROOF UPPER TPA 2POS 20AWG



TE Part #2371403-1
SGI 1.25 RCPT Contact, 26-30AWG



TE Part #5-368571-2
FOAMING PROOF PLUG 3POS RED

TE Part #2-2376950-0
Plug HSG, VT, KeyA, 20pos, SGI 1.25

TE Part #4-1903415-1
GHC 9.0 3POS HDR ASSY BLACK

Documents

Product Drawings

GHC EYELET 12.4 2POS HEADER ASSY BLUE

English

CAD Files

Customer View Model

ENG_CVM_CVM_1747996-3_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747996-3_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747996-3_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

1-1773883-5 GRACE INERTIA connector quick reference guide

English

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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