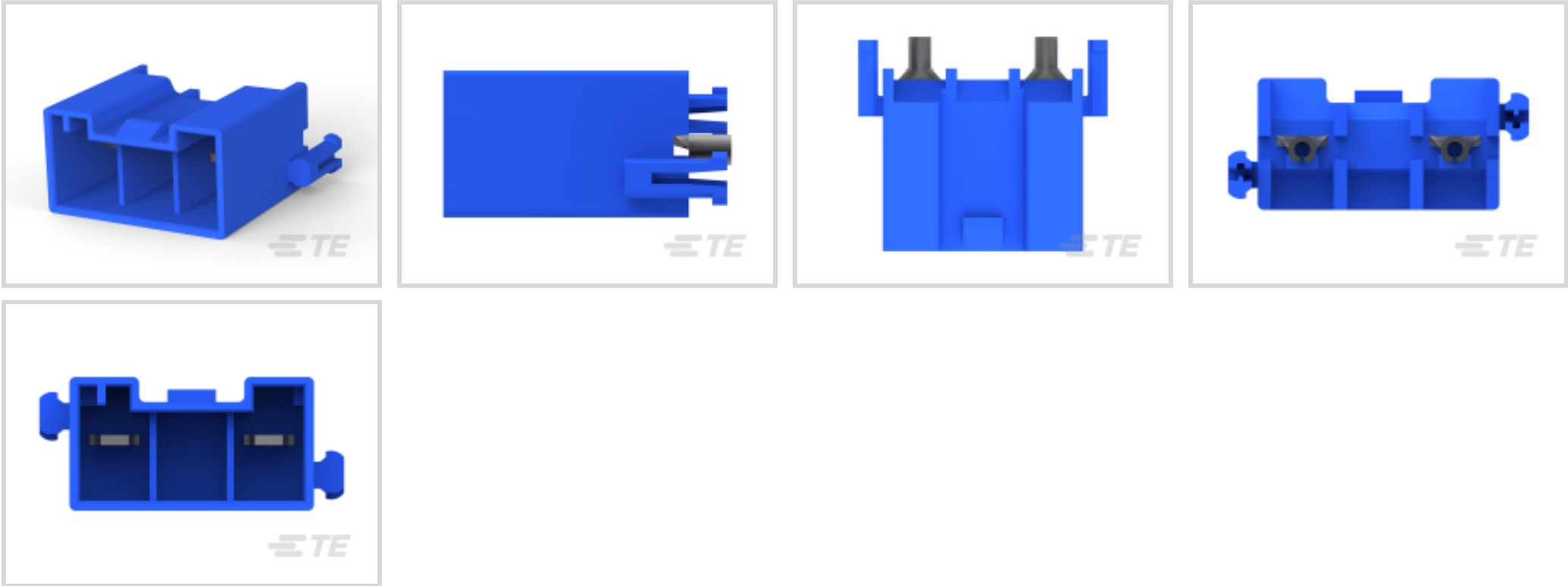




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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

Number of Columns	2
Number of Loaded Positions	2
Number of Power Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2



Number of Rows	1
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Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

Connector & Keying Code	C
Primary Product Color	Blue

Contact Features

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

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



Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Power
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1747996-1
GHC EYELET 12.4 2POS HEADER
ASSY NATURAL

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

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

Also in the Series | GRACE INERTIA 12.4

PCB Headers & Receptacles(4)

Rectangular Power Connectors(4)

Wire-to-Board Headers & Receptacles
(4)

Customers Also Bought

TE Part #1-2324245-6
ASSY,HDR,VERT,GWT,BOSSED,DUAL
ROW, EP2.5

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

TE Part #2-2324245-4
ASSY,HDR,VERT,GWT,BOSSED,DUAL
ROW, EP2.5

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



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



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



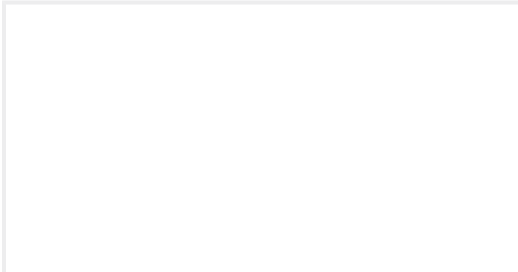
TE Part #1-353082-2
DYNAMIC D-5200 HDR V ASSY 3P



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



TE Part #4-2324245-0
ASSY,HDR,VERT,GWT,BOSSED,DUAL ROW, EP2.5



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