5-1971800-1 ✔ ACTIVE

GRACE INERTIA 2.5

TE Internal #: 5-1971800-1

PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 2.5

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Connectors > PCB Connectors > PCB Headers & Receptacles > Glow Wire Sig GRACE INERTIA Header







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

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

Number of Positions: **5**

Number of Rows: **1**

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

All Glow Wire Sig GRACE INERTIA Header (39)

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	5
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC

Body Features

Connector & Keying Code	A
Primary Product Color	Natural

Contact Features

Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Mating Tab Width	.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)	3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Rectangular Termination Post & Tail Width	.46 mm[.018 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Keyed
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
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Length	15 mm[.59 in]
Connector Height	8.8 mm[.34 in]
Connector Width	7.38 mm[.29 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	Glow Wire
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Bag, Box

Product Compliance

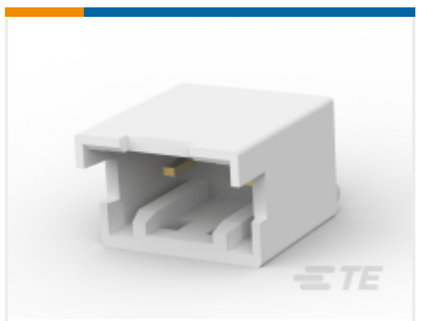
For compliance documentation, visit the product page on TE.com>

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	Not reviewed for solder process capability

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 # CAT-G7534A-H342A
Glow Wire Sig GRACE INERTIA Header



TE Part # 7-1971798-1
NEW GI CONN2.5 HDR ASMBLY 7P NC D1.0



TE Part # 5-1971798-5
NEW GI CONN2.5 HDR ASMBLY 5P BLK D1.0

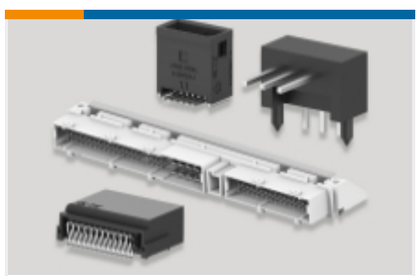
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(173)



Rectangular Connector Housings(49)

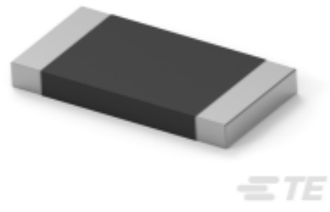


Wire-to-Board Connector Assemblies & Housings(46)

Customers Also Bought



TE Part #2-1775485-1
Battery Holder, 3.6mm, BLK,low profile



TE Part #4-2176422-9
TLRP 2512 3.0W R005 1% 50PPM 4K RL

Documents

Product Drawings

NEW GI CONN2.5 HDR ASMBLY 5P NC D1.5

English

NEW GI CONN2.5 HDR ASMBLY 5P NC D1.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1971800-1_E_c-5-1971800-1-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1971800-1_E_c-5-1971800-1-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1971800-1_E_c-5-1971800-1-e.3d_stp.zip

English

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

Datasheets & Catalog Pages

5-1773465-3-GI2.5Flyer

English

7-1773465-8-GI2.5-ChineseFlyer

Product Specifications

Product Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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