3-1971800-1 ✔ ACTIVE

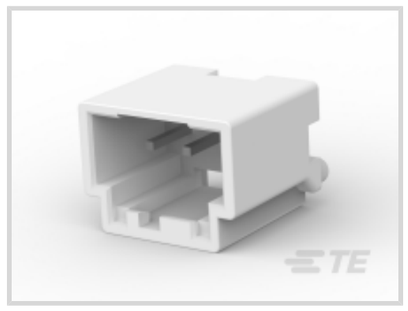
GRACE INERTIA 2.5

TE Internal #: 3-1971800-1

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, GRACE INERTIA 2.5

View on TE.com >

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







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

Number of Positions: **3**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

All Glow Wire Sig GRACE INERTIA Header (39)

Features

Product Type Features

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

Configuration Features

Number of Positions	3
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	10 mm[.39 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	1200
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

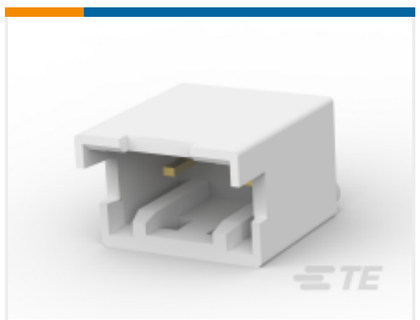
Product Compliance Disclaimer

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

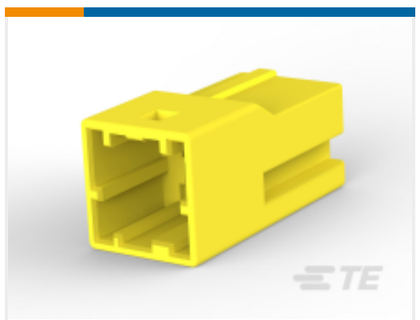
Compatible Parts



TE Part # 1903392-1
GIC 2.5 W CAP HSG 3P NATURAL



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



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



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

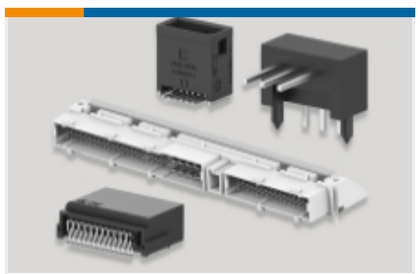
Also in the Series | GRACE INERTIA 2.5



Connector Contacts(6)



Connector Hardware(7)



PCB Headers & Receptacles(138)



Rectangular Connector Housings(49)

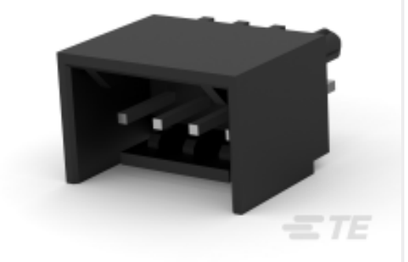


Rectangular Power Connectors(35)



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

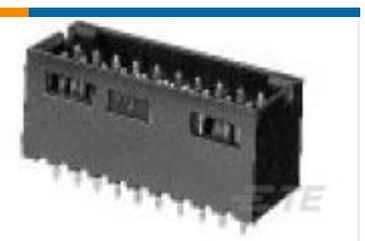
Customers Also Bought



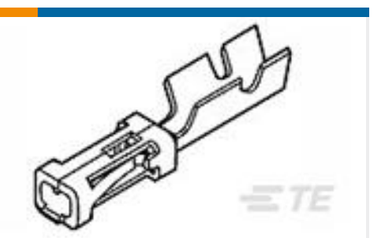
TE Part #2-644486-4
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100



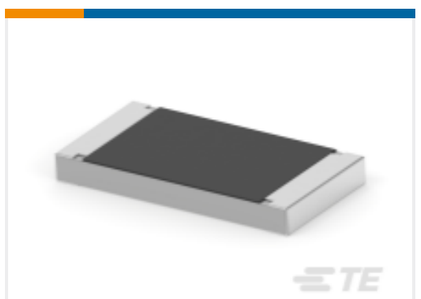
TE Part #5520258-3
M/JTOP6P/6CPNL STOPSTRAY P



TE Part #103168-1
06 MODII HDR DRST SHRD .100CL



TE Part #102316-5
MOD IV RECP PLTD SN



TE Part #3-2176348-1
CRGCQ 2010 100K 5%



TE Part #5-1971800-1
NEW GI CONN2.5 HDR ASMBLY 5P NC D1.5

Documents

Product Drawings

NEW GI CONN2.5 HDR ASMBLY 3P NC D1.5

English

NEW GI CONN2.5 HDR ASMBLY 3P NC D1.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1971800-1_E_c-3-1971800-1-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1971800-1_E_c-3-1971800-1-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1971800-1_E_c-3-1971800-1-e.3d_stp.zip

English

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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

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TE Connectivity:

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