



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Product Type Features

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

PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Mating Square Post Dimension	.5 mm[.02 in]
Mating Tab Width	.7 mm[.028 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	2.7 A

Termination Features

Termination Post & Tail Length	2.8 mm, 16.8 mm[.11 in][.661 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions



Connector Width	7 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	11.3 mm[.44 in]
Connector Length	12.5 mm[.49 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	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: 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 # CAT-G7534A-C1701
STD Temp Sig GRACE INERTIA Cap

TE Part # 2-1747066-3
GRACE INERTIA CONN 2.5 PLUG
HSG 3P BLUE

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

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(173)

Power Contacts(2)

Rectangular Power Connectors(20)

Wire-to-Board Connector Assemblies & Housings(27)

Wire-to-Board Headers & Receptacles (173)

Customers Also Bought

TE Part #9-176975-1
AMP UNIVERSAL POWER PLG 2P PCB

TE Part #1-292161-3
CT P/HDR ASSY V 13P W/KINK NAT

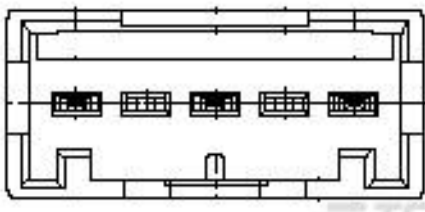
TE Part #1-1971032-2
2POS HEADER ASSEMBLY FOR GIC 2.0 EV

TE Part #179846-1
AMP POWER D/LOCK T/HDR ASSY 3P





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



TE Part #2013485-1
GIC 2.5 HDR ASSY TIN VERSION 3/5P



TE Part #3-176976-1
AMP UNIVERSAL POWER PLG 2C PCB



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



TE Part #292174-3
CT BOX HDR V SMT 3P O/TAPE NAT



TE Part #3-176976-6
UNIV POWER HDR ASSY 3P BLUE

Documents

Product Drawings

GIC 2.5 ON TAPE HDR TIN VERSION 3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1871845-3_C_c-1871845-3-c.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

Japanese

Application Specification

English