



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Centerline (Pitch): **3.3 mm [.129 in]**

Termination Method to PCB: **Through Hole - Solder**

Features

Product Type Features

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	4
Number of Rows	2
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Connector & Keying Code	A
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.25 µm[49.21 µin]
Mating Tab Width	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	2 µm[2 µin]
Contact Type	Pin
Contact Current Rating (Max)	4 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Alignment Type	Keyed
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Mating Alignment	With

Housing Features

Centerline (Pitch)	3.3 mm[.129 in]
Housing Material	PA 66 GF

Dimensions

Row-to-Row Spacing	5.2 mm[.205 in]
PCB Thickness (Recommended)	1.57 mm[.063 in]
Connector Height	14.25 mm[.561 in]

Usage Conditions



Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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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	425
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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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 1-1971906-3
HEADER ASSY 6POS,KEYING-A,NEW GIC3.3

TE Part # 4-1971906-2
HEADER ASSY 4POS,KEYING-D,NEW GIC3.3

Also in the Series | GRACE INERTIA 3.3

Connector Contacts(3)

Connector Hardware(15)

PCB Headers & Receptacles(36)

Power Contacts(3)

Rectangular Power Connectors(70)

Wire-to-Board Connector Assemblies & Housings(34)

Wire-to-Board Headers & Receptacles (36)

Customers Also Bought

TE Part #179846-4
AMP POWER D/LOCK T/HDR ASSY 3P

TE Part #1376382-1
5mm B-T-W Conn. 2P HDR ASSEMBL

TE Part #1376385-1
5mm B-T-W Conn. 6P HDR ASSEMBL

TE Part #2-1971906-2
HEADER ASSY 4POS,KEYING-B,NEW GIC3.3

TE Part #2-1971906-3
HEADER ASSY 6POS,KEYING-B,NEW GIC3.3

TE Part #2-1971906-5
HEADER ASSY 10POS,KEYING-B,NEW GIC3.3

TE Part #3-1971906-2
HEADER ASSY 4POS,KEYING-C,NEW GIC3.3

TE Part #3-1971906-3
HEADER ASSY 6POS,KEYING-C,NEW GIC3.3



Documents

Product Drawings

HEADER ASSY 4POS,KEYING-A,NEW GIC3.3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1971906-2_A_c-1-1971906-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1971906-2_A_c-1-1971906-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1971906-2_A_c-1-1971906-2-a.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

5-1773465-4-GI3.3Flyer

English

7-1773465-7-GI3.3-ChineseFlyer

GI3.3_QRG_CN

Product Specifications

Application Specification

English