

2-2232876-3 ✓ ACTIVE

TE Internal #: 2-2232876-3

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 6 mm [.236 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural, Box

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	300 VDC
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Dimensions

Connector Width	11.75 mm [.462 in]
PCB Thickness (Recommended)	1.6 mm [.063 in]
Connector Height	14.5 mm [.57 in]
Connector Length	13.1 mm [.516 in]

Packaging Features

Packaging Quantity	2800
Packaging Method	Box

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Usage Conditions

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

Body Features

Connector & Keying Code	C
Primary Product Color	Natural

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment Type	Keyed
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Contact Features

Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
PCB Contact Termination Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	10 A

Housing Features

Mating Entry Location	Top
Housing Material	Nylon 6/6 GF
Centerline (Pitch)	6 mm [.236 in]

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

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product ComplianceFor 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 # 2-2232876-2
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 3-2232876-3
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS



TE Part # CAT-G7534-P729A
Glow Wire GRACE INERTIA Plug



TE Part # 2-2232876-4
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 2-2232876-1
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 2POS



TE Part # 3-2232876-4
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS



TE Part # 3-2232876-1
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS

Customers Also Bought



TE Part #1614770-4
BDS 2 A 250 10R 10%



TE Part #ZPF00000000136485
RECEPTACLE MALE FOR 12 PINS,
CAL1,6



TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4



TE Part #1-1415543-5
RTE44110



TE Part #ASA158F12390235000
623 PLUG



TE Part #ZPF00000000205373
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2



TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16



Documents

Product Drawings

GIC6.0MM CONNECTOR HEAD HOUSING ASS 2POS

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2232876-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2232876-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2232876-3_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

1-1773873-1 6.0mm GRACE INERTIA connector flyer

English

Product Specifications

Engineering Specification

English