

MICRO TCA

TE Internal #: 1469920-2
PCB Mount Header, Vertical, Cable-to-Board, 96 Position, 2 mm / 3 mm [.079 in / .118 in] Centerline, Fully Shrouded, Gold, Through Hole - Press-Fit

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Cable-to-Board**
Number of Positions: **96**
Number of Rows: **2, 8**

Features

Electrical Characteristics

Operating Voltage	12 VDC
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Dimensions

Row-to-Row Spacing	11.5 mm, 2 mm[.078 in][.452 in]
Connector Width	25.87 mm[1.02 in]
PCB Thickness (Recommended)	2.4 mm[.094 in]
Connector Height	17 mm[.67 in]
Connector Length	63.1 mm[2.48 in]

Packaging Features

Packaging Quantity	8
Packaging Method	Tube

Industry Standards

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

Usage Conditions

Operating Temperature (Max)	70 °C[158 °F]
Operating Temperature Range	-10 – 70 °C[14 – 158 °F]

Mechanical Attachment

Mating Alignment Type	Guide Hole
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PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3.7 mm[.145 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	.5 – 1.25 µm[19.68 – 49.21 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Receptacle, Pin
Contact Current Rating (Max)	14.5 A

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	3 mm, 2 mm[.079 in][.118 in]

Configuration Features

Mating & Unmating Configuration	Normal
Number of Signal Positions	72
Number of Power Positions	24
PCB Mount Orientation	Vertical
Number of Positions	96
Number of Rows	2, 8

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Cable-to-Board



Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 # 1469920-3
[Housing Assy, Micro Power Backplane](#)

Customers Also Bought

TE Part #T4111002081-000
[M12,MALE,STRAIGHT,A CODE,8P, PG9,GOLD](#)

TE Part #2-5747708-0
[25 RCPT SP/FMS BRDLK](#)

TE Part #3-1461491-3
[PCN-112D3MHZ,000](#)

TE Part #2-1393210-0
[T9AS1D12-5](#)

TE Part #1825360-3
[ADE04A04=4POS DIP SWITCH](#)

TE Part #867052-2
[LOCKING CLIP CONT ASSY .025 SQ](#)

TE Part #ESA002N00320001000
[615 EXTENSION](#)

TE Part #2007717-1
[IMP100S,R,RA4P10C,UG,39](#)

TE Part #294919-E
[SRCP 1,27 10 M 1 SMD 137 E1 094 * GU-H *](#)

TE Part #EKA001N00310103000
[615 EXTENSION](#)

Documents

- CAD Files

Customer View Model

[ENG_CVM_CVM_1469920-2_8.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1469920-2_8.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1469920-2_8.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD](#)

English

[Solutions for AdvancedTCA, AdvancedTCA 300, MicroTCA, and AdvancedMC Standards Datasheet 3-1773445-8](#)

English

Product Specifications

[Application Specification](#)

English