

**MINI-MATCH**

TE Internal #: 5161500-7

PCB Mount Header, Vertical, Board-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Power & Signal, Green

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[Connectors > PCB Connectors > PCB Headers & Receptacles](#)
PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **7**Centerline (Pitch): **2.5 mm [.098 in]****Features****Dimensions**

Connector Width	6.3 mm[.248 in]
PCB Thickness (Recommended)	1.6 mm[.06 in]
Connector Height	5.9 mm[.232 in]
Connector Length	17.5 mm[.689 in]

Packaging Features

Packaging Quantity	2000
Packaging Method	Box

Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL
UL Flammability Rating	UL 94V-0

Termination Features

Rectangular Termination Post & Tail Width	.78 mm[.03 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.2 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Contact Features



Contact Mating Area Plating Material Thickness	3.04 µm[120 µin]
Mating Tab Width	2.79 mm[.11 in]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.5 mm[.02 in]
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	7 A

Housing Features

Housing Material	PBT GF20
Centerline (Pitch)	2.5 mm[.098 in]

Configuration Features

Number of Columns	7
PCB Mount Orientation	Vertical
Number of Positions	7

Product Type Features

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

Body Features

Primary Product Color	Green
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Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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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: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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



Customers Also Bought



Documents

Product Drawings

[minimatch 7 pos male](#)

English

CAD Files

Customer View Model

[ENG_CVM_5161500-7_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5161500-7_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5161500-7_A.2d_dxf.zip](#)

English

3D PDF

English

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

Product Specifications

[Product Specification](#)

[Mini Match Connection System](#)

English

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

German