1-5161500-2 ✔ ACTIVE

MINI-MATCH

TE Internal #: 1-5161500-2

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.5 mm [.098 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power & Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **12**

Centerline (Pitch): **2.5 mm [.098 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Columns	12
Number of Positions	12
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Green

Contact Features

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 (Sn)

Contact Type	Tab
Contact Current Rating (Max)	7 A
Contact Mating Area Plating Material Thickness	3.048 µm[120 µin]

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	6.3 mm[.248 in]
Connector Height	5.9 mm[.232 in]
Connector Length	30 mm[1.181 in]
PCB Thickness (Recommended)	1.6 mm[.06 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	1250

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: 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	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



TE Part # 1-5161800-2
12pos.MINI-MATCH FBTB, 2.5mm pitch

Customers Also Bought



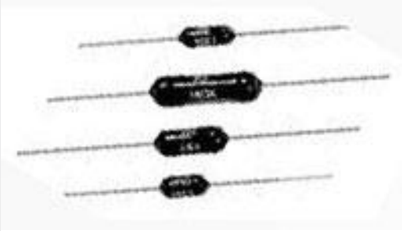
TE Part #650992-5
096 ENHNCD EURO RECEPT AP ASSY



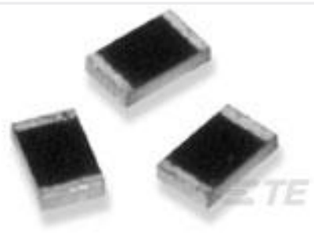
TE Part #1614350-1
RN 0603 10R 0.1% 10PPM 5K RL



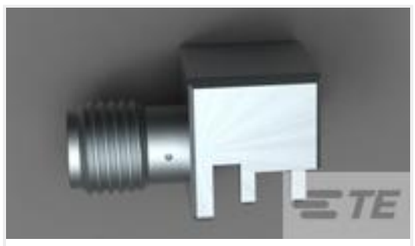
TE Part #7-1879362-9
RN 0603 30K 0.1% 10PPM 5K RL



TE Part #7-1879642-9
H8 82K 0.1% 15PPM



TE Part #2-1879747-7
RP 1J 118K 0.1% 15PPM CUT LENGTH



TE Part #2081005-1
ASSY. SMA JACK PCB EDGE MOUNT



TE Part #5161500-3
minimatch 3 pos male



TE Part #1734261-9
1.25 WTB, HDR, SMT, RA, 9P



TE Part #5-104076-7
50 SYS50 HDR DRST SHRD W/SL SN



TE Part #103911-4
50 SYSTEM 50 RCPT ASSY DRRA

Documents

Product Drawings

minimatch 12 pos male

English

CAD Files

Customer View Model

ENG_CVM_1-5161500-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1-5161500-2_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1-5161500-2_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