

## MINI-MATCH

TE Internal #: 5161501-8

TE Internal Description: 08P.MINI-MATCH MALE

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **8**Centerline (Pitch): **5 mm [ .196 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	37.5 mm[1.476 in]

### Packaging Features

Packaging Quantity	1000
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 $\mu$ m[120 $\mu$ in]
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Mating Tab Width	2.79 mm[.11 in]
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Contact Layout	Inline
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Contact Base Material	Phosphor Bronze
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Mating Tab Thickness	.5 mm[.02 in]
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Contact Current Rating (Max)	7 A
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### Housing Features

Housing Material	PBT GF20
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Centerline (Pitch)	5 mm[.196 in]
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### Configuration Features

Number of Columns	8
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PCB Mount Orientation	Vertical
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Number of Positions	8
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### Product Type Features

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

Primary Product Color	Green
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### Mechanical Attachment

PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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### Operation/Application

Circuit Application	Power & Signal
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### Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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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 2024 (241) Candidate List Declared Against: JAN 2018 (181) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Customers Also Bought



TE Part #1761072-3  
RECPT,HSSDC2,FIBRE,TRAY PKG



TE Part #5146893-2  
1FHR,84,30A/S,S,C,S08,09,10



TE Part #2176314-4  
MELF SMA\_A 180R 0.1% 15PPM 0102  
0.3W



TE Part #3-1415020-1  
PT570N20



TE Part #1-928836-2  
MOD2 PIN WITH A-PIN L/P



TE Part #5-103911-3  
60 SYSTEM 50 RCPT ASSY DRRA



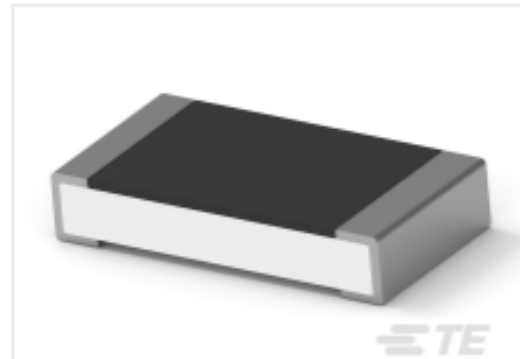
TE Part #5-104076-2  
60 SYS50 HDR DRST SHRD W/SL SN



TE Part #1-1437581-1  
ASE22RL=AUTOSLIDE DP



TE Part #7-2176246-6  
CRGS2512 5% 1M8



TE Part #4-2176391-7  
RQ 1206 37K4 0.1% 10PPM 5K RL

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_5161501-8\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5161501-8\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5161501-8\\_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