1-5164711-2 ✔ ACTIVE

MINI-MATCH

TE Internal #: 1-5164711-2

PCB Mount Receptacle, Right Angle, Board-to-Board, 12 Position, 2.5 mm [.098 in] Centerline, Tin (Sn), Through Hole - Solder, Signal, Box

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **12**

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

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

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

Configuration Features

Stackable	No
Number of Positions	12
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	354 VAC
Insulation Resistance	1 MΩ

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.048 – 5.08 µm[120 – 200 µin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]

Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Socket
Contact Current Rating (Max)	7 A

Termination Features

Rectangular Termination Post & Tail Width	.79 mm[.031 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Solder Tail
PCB Mount Alignment Type	Post Polarization
Mating Alignment Type	Polarizing Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Thermoplastic

Dimensions

	.062 in

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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	Not reviewed for solder process capability

Product Compliance Disclaimer

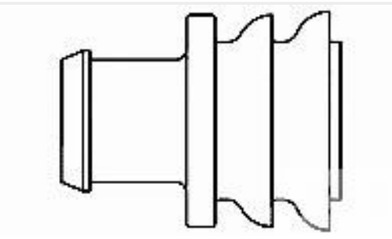
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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.

Compatible Parts



TE Part # 1-5164713-2
12P.MINI-MATCH ASSY

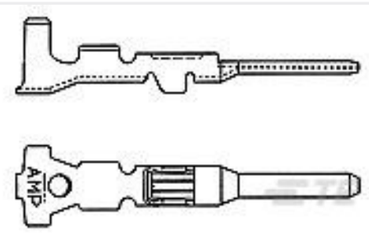
Customers Also Bought



TE Part #281934-2
SINGLE WIRE SEAL



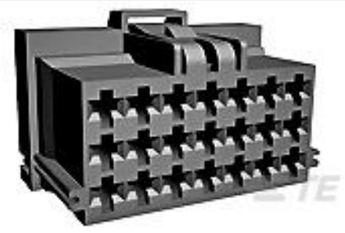
TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #282109-1
MINI MIC TAB CONTACT



TE Part #CAT-AM705-CH8173
AMP Unsealed Connector Housing



TE Part #8-968975-1
MCP2.8 GEH 21P

Documents

Product Drawings

12pos.MINI-MATCH FBTB, 2.5mm pitch

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5164711-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5164711-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5164711-2_A.3d_stp.zip

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