5-1375870-3 ✔ ACTIVE

AMPMODU | AMPMODU MICRO

TE Internal #: 5-1375870-3

PCB Mount Receptacle, Vertical, Wire-to-Board, 10 Position, .8 mm [.031 in] Centerline, Gold (Au), Surface Mount, Signal, Natural, Reel, AMPMODU MICRO

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Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	500 MΩ
Dielectric Withstanding Voltage (Max)	250 V

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	.13 – .2 µm[5.12 – 7.87 µin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Receptacle
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.4 mm[.016 in]
Rectangular Termination Post & Tail Thickness	.15 mm[.006 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Polarization
PCB Mount Alignment	With
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	.8 mm[.031 in]
Housing Material	Liquid Crystal Polymer (LCP)

Dimensions

Row-to-Row Spacing	2.6 mm[.1 in]
Connector Height	5 mm[.196 in]

Profile Height from PCB	5 mm[.196 in]
Connector Length	7.35 mm[.289 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	750
Packaging Method	Reel

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	有害物质含量符合标准要求 No Restricted Substance(s) 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	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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 # 1375875-3
PLUG HSG,10POS,0.8MM MICRO INT

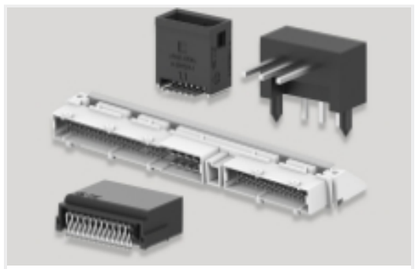
Also in the Series | AMPMODU MICRO



Connector Caps & Covers(1)



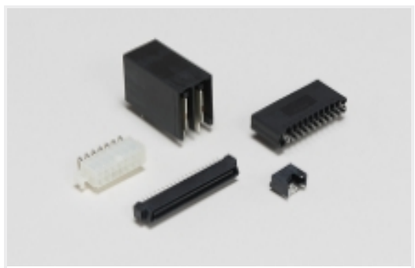
Connector Contacts(1)



PCB Headers & Receptacles(1)



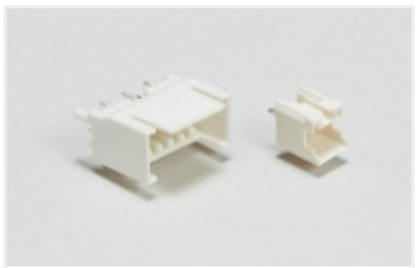
Rectangular Connector Housings(15)



Standard Rectangular Connectors(15)



Wire-to-Board Connector Assemblies & Housings(15)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



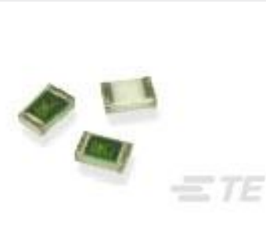
TE Part #5-87577-4
14 MODII HDR DRRA SHRD LF



TE Part #859527-5
LGH RECEPT., FLANGED, H.V.



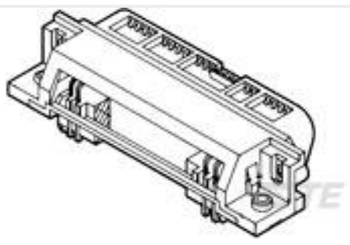
TE Part #1825194-1
MSSA135004=SW SLIDE, SP3T AG



TE Part #4-1879125-6
RN 0402 73R2 0.1% 10PPM CUT LENGTH



TE Part #4-2176455-5
CPF 0402 316K 0.1% 25ppm 1K RL



TE Part #5553121-2
ASSY, EMI RCPT, 24 POSN, RTANG



TE Part #1-6609952-3
PS00XDSXB=C4527



TE Part #2267345-1
40 MODII HDR DRST B/A .100CL TUBE



TE Part #5532903-6
ASSY,RECPT,R.ANGLE,HDI,LEAD-FR



TE Part #860267-5
LGH PLUG ASY HV 6 PIN

Documents

Product Drawings

RCPT ASSY,10 POS,VERT,0.8MM MI

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5-1375870-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_5-1375870-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_5-1375870-3_B.3d_stp.zip

English

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Product Specifications

Application Specification

English