

2MM-R-S10-HT-02-H-TR

✓ ACTIVE

AMPMODU | AMPMODU 2 mm

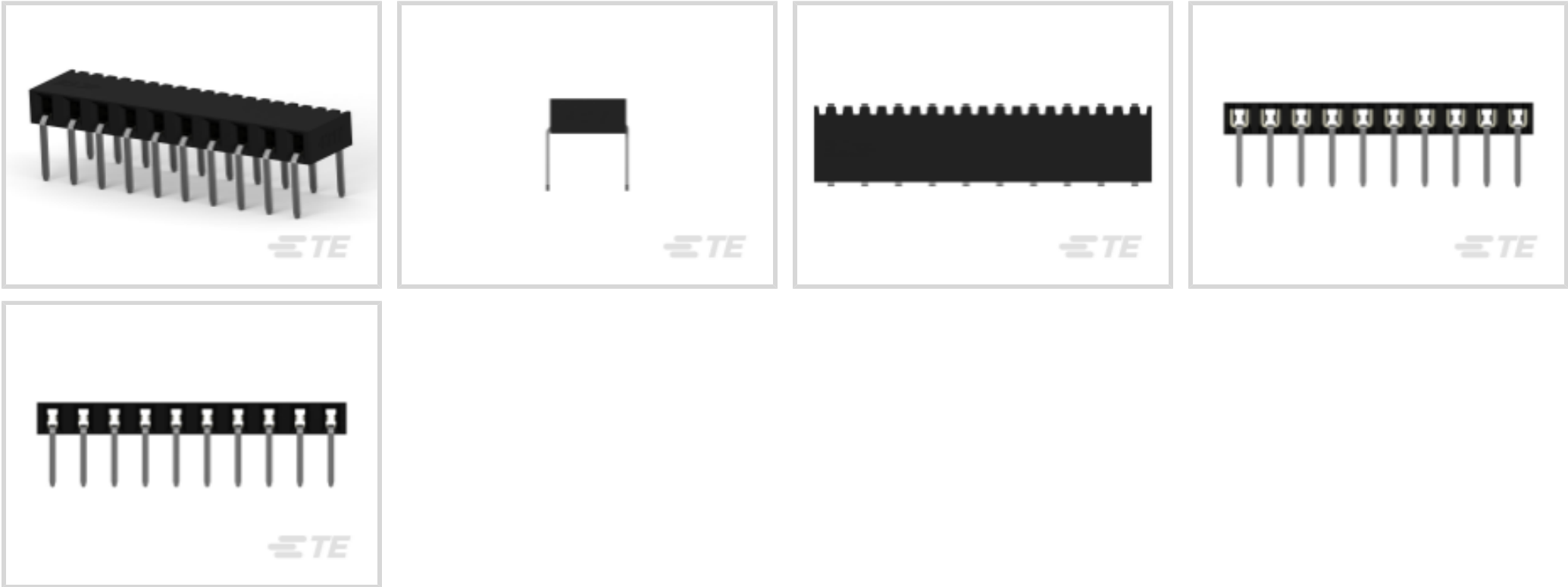
TE Internal #: 1-2314938-0

PCB Mount Receptacle, Horizontal, Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Gold (Au), Through Hole - Solder, Signal, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Loaded Positions	10
PCB Mount Orientation	Horizontal
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VAC
Dielectric Withstanding Voltage (Max)	650 VAC

Body Features

Connector Profile	Standard
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Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[29.9212 µin]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Width	.4 mm[.016 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	2.8 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	2.4 mm[.094 in]
Connector Height	2.1 mm[.823 in]



Connector Length20 mm[.787 in]

Usage Conditions

Housing Temperature RatingHigh
Operating Temperature Range-40 – 125 °C[-40 – 257 °F]

Operation/Application

Assembly Process FeaturePick and Place Cover
Circuit ApplicationSignal

Industry Standards

UL Flammability RatingUL 94V-0

Packaging Features

Packaging MethodTape & Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EUCompliant
EU ELV Directive 2000/53/ECCompliant
China RoHS 2 Directive MIIT Order No 32, 2016No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JAN 2025 (247)
Candidate List Declared Against: JUNE 2024 (241)
Does not contain REACH SVHC
Halogen ContentLow Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process CapabilityReflow 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 # 1-2355186-0
10P,2MM,BRK HDR,SRVT,2.8,0.76AU, BOX

TE Part # 1-2842104-0
10P,2MM,BRK HDR,SRVT,SMD,0.76AU, TR W/CAP

TE Part # 1-2355182-0
10P,2MM,BRK HDR,SRVT,2.8,0.76AU, TB

TE Part # 1-2355184-0
10P,2MM,BRK HDR,SRVT,2.8,0.76AU, TB W/CAP

Also in the Series | AMPMODU 2 mm

Board-to-Board Headers & Receptacles(8160)

Connector Contacts(27)

PCB Headers & Receptacles(8190)

Wire-to-Board Connector Assemblies & Housings(202)

Wire-to-Board Headers & Receptacles (1037)

Customers Also Bought

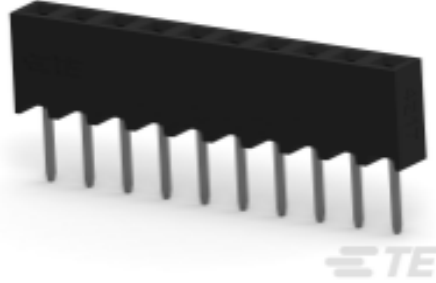
TE Part #215309-6
2X6P HV100 REC CON. TE, 8.5MM

TE Part #154807-E
SMCB 50 F AB VV 7-13 CL * H007 137 E002

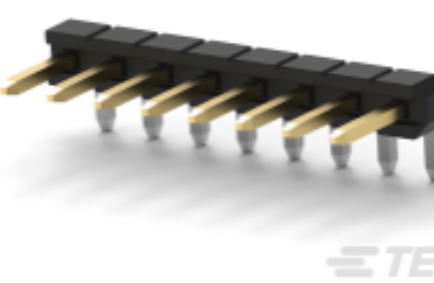
TE Part #054595-E
SMCB 26 M AB VV 3-03 CLHD * 0007 137 E00

TE Part #1-84534-2
1.25MM FFC POST PLATED V 12P





TE Part #1-2314876-0
[10P,2MM,B-B,REC,SRVT,2.7,0.1AU,TB](#)



TE Part #1-2842112-0
[10P,2MM,BRK HDR,SRRT,2.8,0.76AU,TB](#)



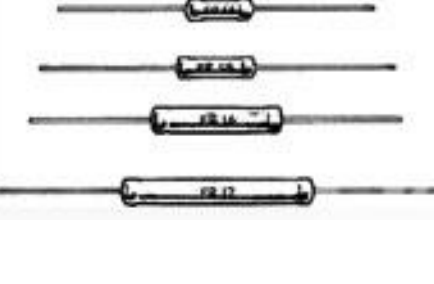
TE Part #5787170-7
[68 50SR R/A RCPT ASSY,RDSN L/F](#)



TE Part #1879208-5
[CPF 0402 15R 0.1% 25PPM 1K RL](#)



TE Part #154741-E
[SMCQ 26 F AB VV 7-03 CL * 0007 137 E002](#)



TE Part #5-1623746-1
[ER74 82R 5% AMMO PK](#)

Documents

Product Drawings

[10P,2MM,B-B,REC,SRHZ,2.8,0.76AU,TR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2314938-0_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2314938-0_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2314938-0_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES](#)

English

[AMPMODU 2mm interconnection system QRG](#)

English

Product Specifications

[Application Specification](#)

English

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