2MM-R-S10-HS-00-H-TR ✔ ACTIVE

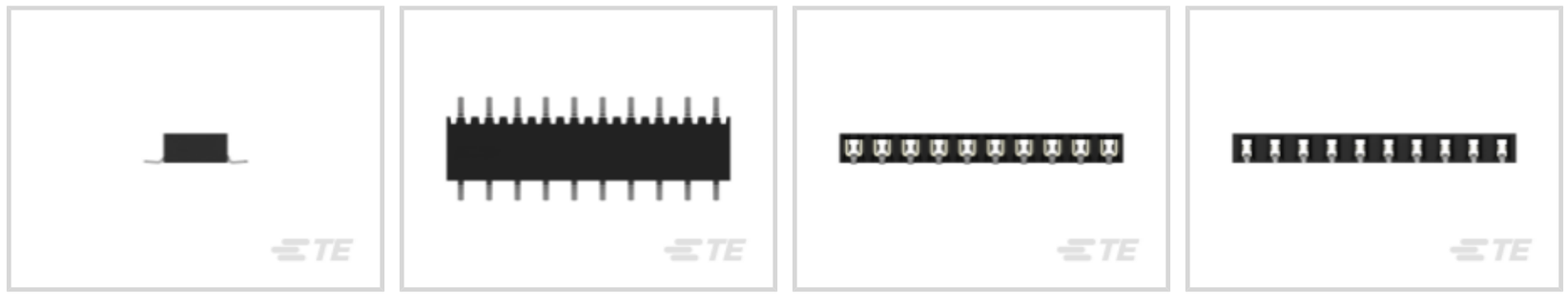
AMPMODU | AMPMODU 2 mm

TE Internal #: 1-2307727-0

PCB Mount Receptacle, Horizontal, Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Gold, Surface Mount, Signal, Black, AMPMODU 2 mm

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Electrical Characteristics

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

Dimensions

Connector Width	7.3 mm[.287 in]
Connector Height	2.1 mm[.823 in]
Connector Length	20 mm[.787 in]

Usage Conditions

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

Body Features

Connector Profile	Standard
Primary Product Color	Black

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Termination Features

Rectangular Termination Post & Tail Width	.4 mm[.016 in]

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

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
Contact Type	Socket
Contact Current Rating (Max)	2 A

Housing Features

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

Configuration Features

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

Product Type Features

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

Mechanical Attachment

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

Mating Alignment	Without

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape & Reel

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

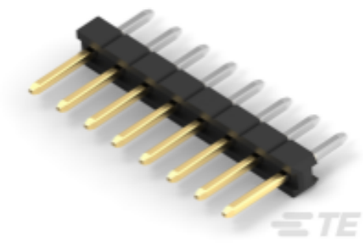
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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

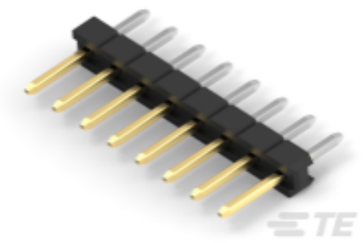
Compatible Parts



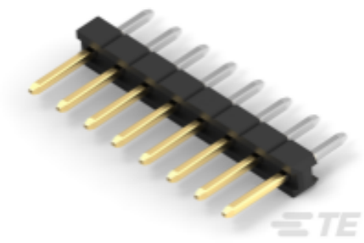
TE Part # 1-2355186-0
10P,2MM,BRK HDR,SRVT,2.8,0.76AU, BOX



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

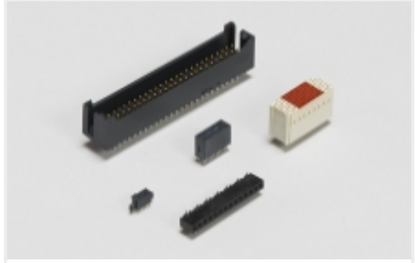


TE Part # 1-2355184-0
10P,2MM,BRK HDR,SRVT,2.8,0.76AU, TB W/CAP



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

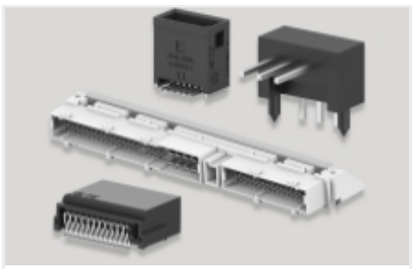
Also in the Series | AMPMODU 2 mm



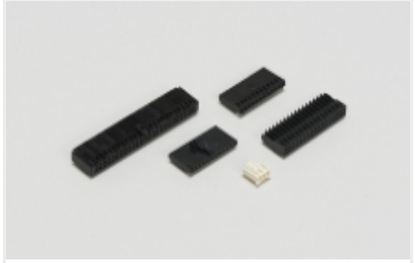
Board-to-Board Headers & Receptacles(8161)



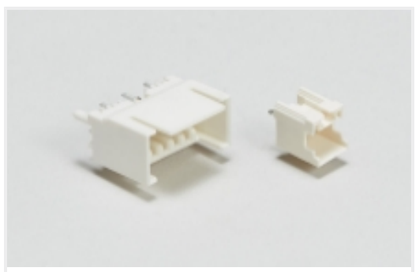
Connector Contacts(27)



PCB Headers & Receptacles(8190)



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



Wire-to-Board Headers & Receptacles (1037)

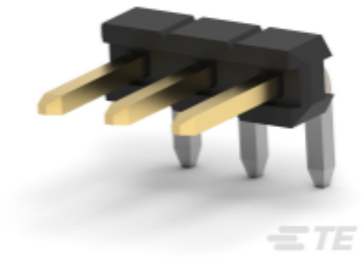
Customers Also Bought



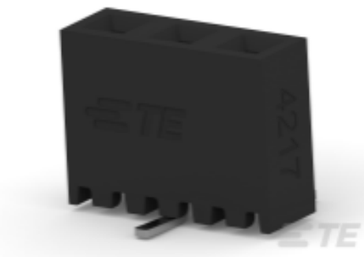
TE Part #1-2118909-2
PCB Ant, MHF, 100mm, Wi-Fi 6E Triple



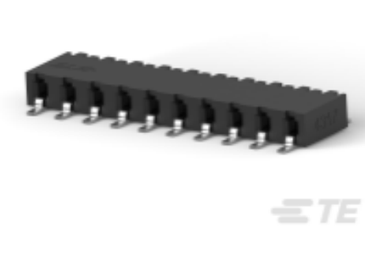
TE Part #2344657-2
FPC ANTENNA, MHF, 100mm, Wi-Fi TRIPLE



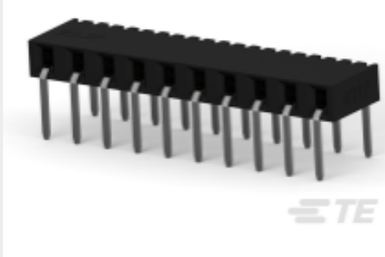
TE Part #2842122-3
3P,2MM,BRK HDR,SRRT,2.8,0.1AU,BOX



TE Part #2307815-3
3P,2MM,BB,REC,SRVT,SMD,AU.76,TR, W/CP



TE Part #1-2307725-0
10P,2MM,B-B,REC,SRHZ,SMD,0.1AU, TR



TE Part #1-2314936-0
10P,2MM,B-B,REC,SRHZ,2.8,0.1AU,TR



TE Part #L9000037-01
Antenna 2.4 FPC LH 45x7 100 UFL



TE Part #L9000046-01
Antenna 2.4 FPC LV 7x45 200 UFL



TE Part #103688-2
03 MTE RCPT HSG SR PLAIN .100



TE Part #1-2842124-0
10P,2MM,BRK HDR,SRRT,2.8,0.76AU, BOX

Documents

Product Drawings

10P,2MM,B-B,REC,SRHZ,SMD,0.76AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2307727-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2307727-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2307727-0_A.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU 2mm BOARD-TO-BOARD RECEPTACLES

English

AMPMODU 2mm interconnection system QRG

English

Product Specifications

Application Specification

English