2842163-6

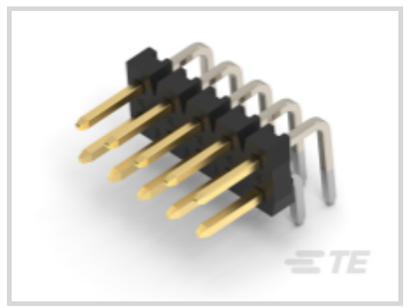
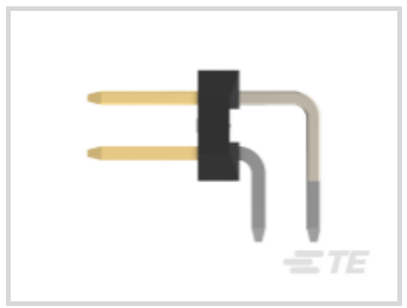
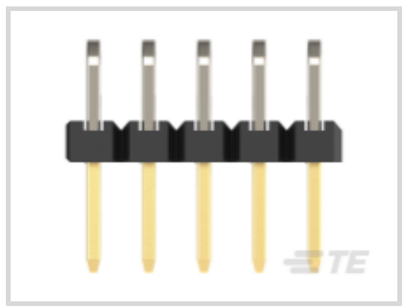
AMPMODU | AMPMODU 2 mm

TE Internal #: 2842163-6

TE Internal Description: 12P,2MM,BRK HDR,DRRT,2.8,0.38AU,BOX

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **2 mm [.079 in]**

Features

Product Type Features

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

Configuration Features

Stackable	No
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	125 VAC
Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Connector Profile	Standard

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.5 µm[19.69 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	4 mm[.157 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.381 µm[14.96 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Termination Post & Tail Length	2.8 mm[.11 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	PA 9T GF

Dimensions

Connector Width	4 mm[.157 in]
Connector Length	12 mm[.472 in]
Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	Without Pick and Place Cover
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Method	Bag, Box

Product Compliance

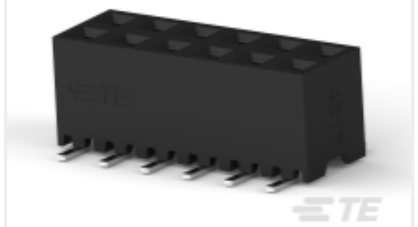
For compliance documentation, visit the product page on TE.com>

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: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

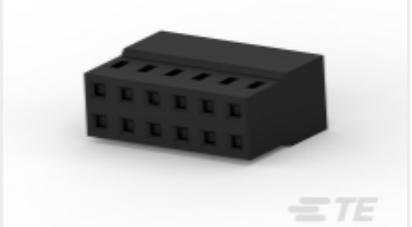
Product Compliance Disclaimer

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

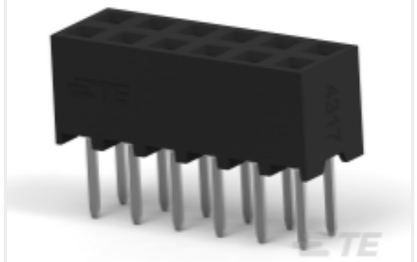
Compatible Parts



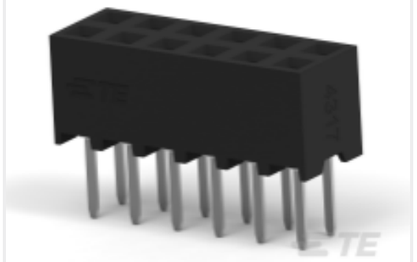
TE Part # 1-2314845-2
12P,2MM,BB,REC,DRVT,SMD,AU.38,TB,W/CP



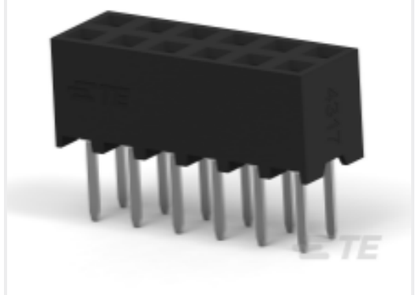
TE Part # 1-2316108-2
12P,2MM,REC,HSG,DR,CRIMP,PLAIN,BOX



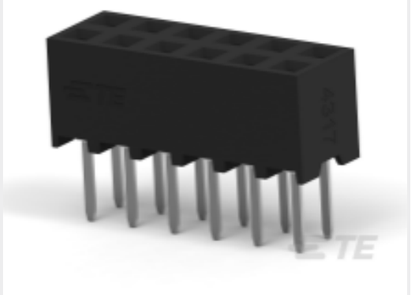
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12P,2MM,B-B,REC,DRVT,2.7,0.38AU,TR,W/CAP



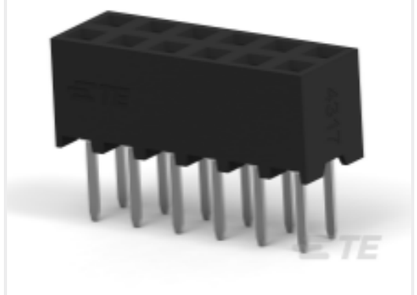
TE Part # 1-2307782-2
12P,2MM,B-B,REC,DRVT,2.0,0.38AU,TR,W/CAP



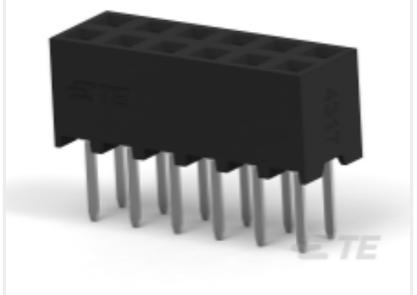
TE Part # 1-2314821-2
12P,2MM,B-B,REC,DRVT,2.7,0.38AU,TB



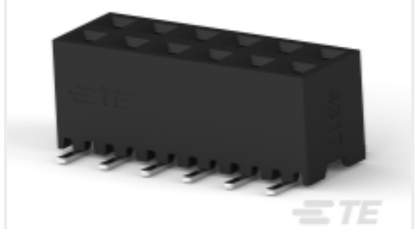
TE Part # 1-2314825-2
12P,2MM,B-B,REC,DRVT,2.7,0.38AU,TB,W/CAP



TE Part # 1-2307784-2
12P,2MM,B-B,REC,DRVT,3.2,0.38AU,TUBE



TE Part # 1-2314813-2
12P,2MM,B-B,REC,DRVT,2.0,0.38AU,TB,W/CAP



TE Part # 1-2307818-2
12P,2MM,BB,REC,DRVT,SMD,AU.38,TR,W/CP

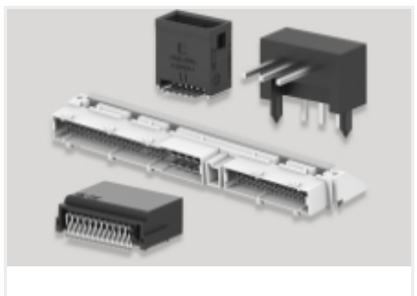
Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(445)



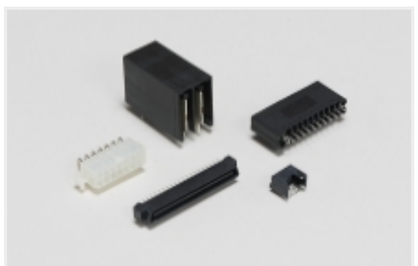
Connector Contacts(17)



PCB Headers & Receptacles(454)



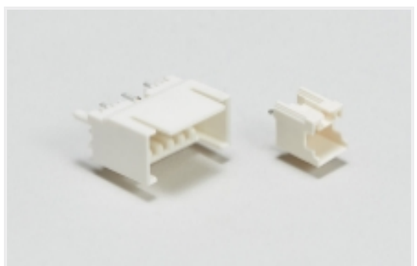
Rectangular Connector Housings(103)



Standard Rectangular Connectors(202)



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



Wire-to-Board Headers & Receptacles (53)

Customers Also Bought



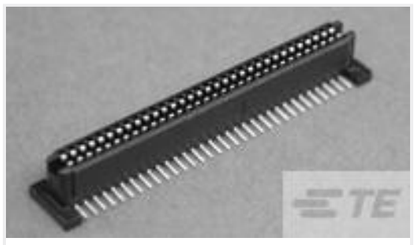
TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



TE Part #3-1415020-1
PT570N20

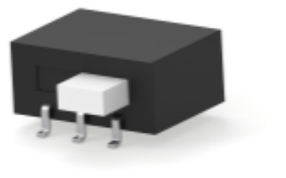


TE Part #1-1825006-9
GDS10S04=DIP SW,SLIDE,SMT



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



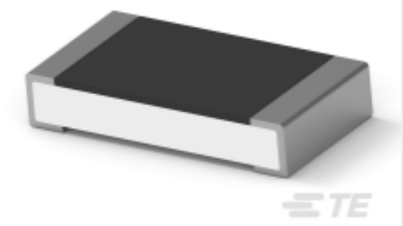
TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP



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



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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2842163-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2842163-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2842163-6_A.3d_stp.zip

English

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Product Specifications

Application Specification

English