

5-146280-2 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

TE Internal #: 5-146280-2

PCB Mount Header, Vertical, Board-to-Board, 2 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

## Features

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.381 $\mu\text{m}$ [15 $\mu\text{in}$ ]
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 $\mu\text{in}$
Contact Shape & Form	Square
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

### Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Square Termination Post & Tail Dimension	.64 mm[.025 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, LCP GF
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$ ]

### Operation/Application

Circuit Application	Signal
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### Industry Standards



Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

**Packaging Features**

Packaging Quantity	500
Packaging Method	Carton

**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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Pin-in-Paste 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 # 2-880584-1  
SHUNT CONN. ASSY



TE Part # 1-382811-8  
SHUNT,ECON,PHBR 5AU, BLACK L/P



TE Part # 390088-2  
BLACK HSG WITH 15AU CONTACT



TE Part # 382811-8  
SHUNT, ECON, PHBR 5AU, BLACK




TE Part # 1-382811-6  
SHUNT,ECON,PHBR 15AU,BLACK L/P



TE Part # 382811-6  
SHUNT, ECON, PHBR 15 AU,BLACK



TE Part # 881545-1  
SHUNT LP W/HANDLE 2POS 15AU




TE Part # 880584-5  
SHUNT CONNECTOR



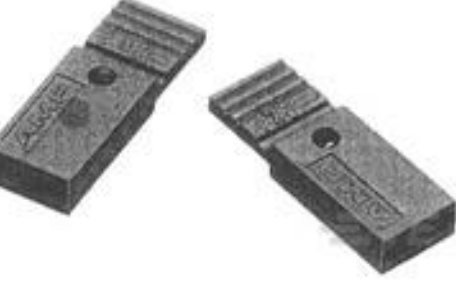
TE Part # 382811-9  
SHUNT, ECON, PHBR 15AU, RED



TE Part # 382811-2  
SHUNT, ECON, PHBR15 AU, BLUE



TE Part # 880584-1  
SHUNT CONNECTOR




TE Part # 1-880584-1  
SHUNT CONN. ASS'Y

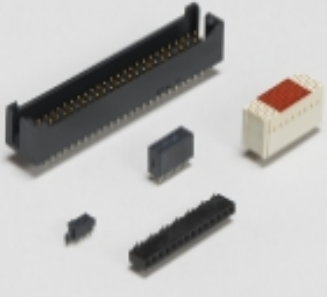


TE Part # 1-881545-1  
AMP SHUNT ASS'Y


Also in the Series | **AMPMODU Headers**



Automotive Headers(1)



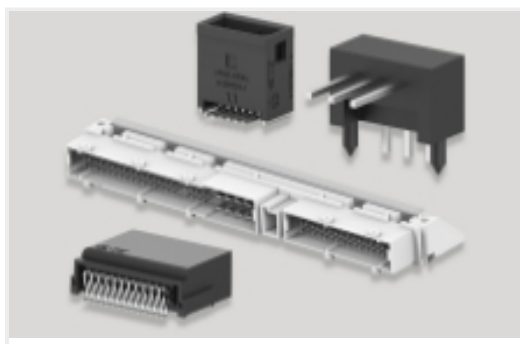
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)

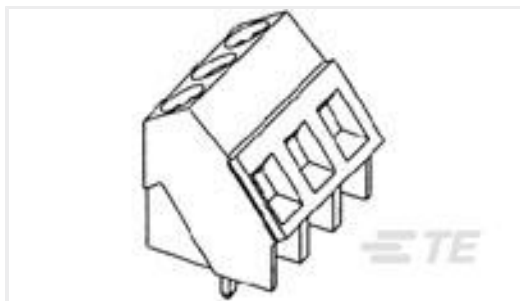


Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Headers & Receptacles (114)

## Customers Also Bought



TE Part #1546074-6  
6 POS 5.08MM TERMI-BLOK TOP WI



TE Part #2118326-1  
Single Band WiFi, 5GHz, PCB, Chassis Mt.



TE Part #5-2176362-1  
RQ 0402 133R 0.1% 10PPM 5K RL



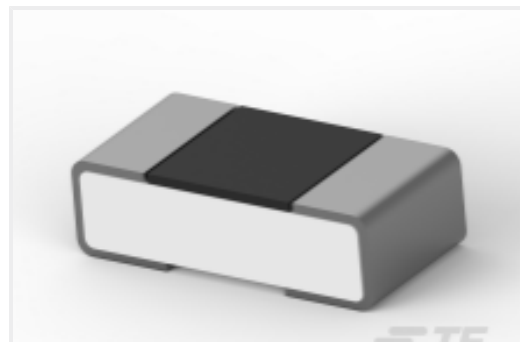
TE Part #3-641238-5  
05P MTA100 CONN ASSY NATL 30AU



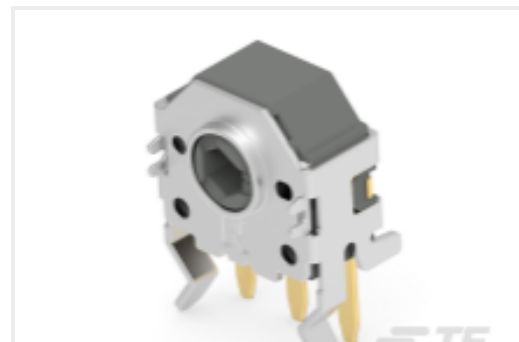
TE Part #494518-E  
M12 MALE, A CODE, 12P, 10.5MM SMT



TE Part #413990-2  
STR JACK,SMB,PCB



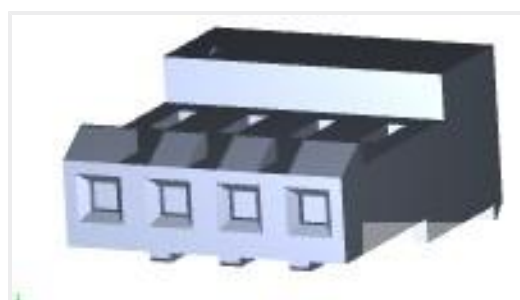
TE Part #2-2176362-7  
RQ 0402 75R 0.1% 10PPM 5K RL



TE Part #2416191-2  
Miniature Encoder 30gf



TE Part #5102159-4  
A/L UNIV HDR 20P RA



TE Part #3-641217-4  
04P MTA156 CONN ASSY 18AWG ORA

## Documents

### Product Drawings

[02 MODII HDR SRST B/A .100CL](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5-146280-2\\_D.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5-146280-2\\_D.3d\\_igs.zip](#)

English

**Customer View Model**

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English

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