5-146868-1 ✔ ACTIVE

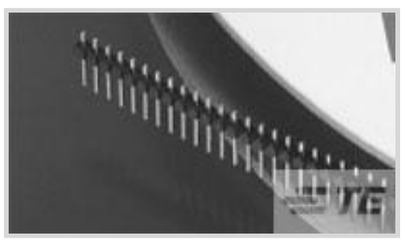
AMPMODU | AMPMODU Headers

TE Internal #: 5-146868-1

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold, Through Hole - Solder, Signal, AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Contact Features

	100 – 200 µin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No

Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	1

Body Features

Connector Profile	Standard
Primary Product Color	Black

Termination Features

Termination Post & Tail Length	2.79 mm[.11 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	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

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

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	25000
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	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	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 # 2-87175-1
10 LOCKING CLIP HSG SR MRKD

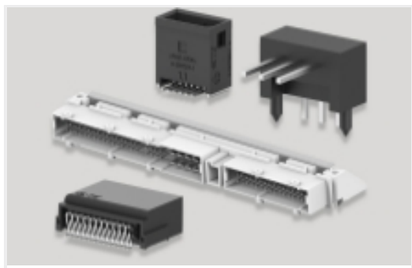
Also in the Series | AMPMODU Headers



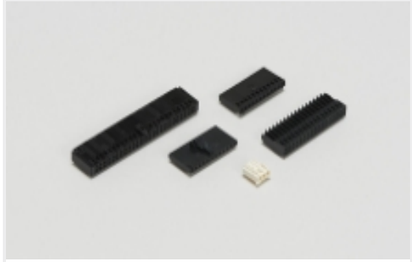
Connector Contacts(52)



Connector Hardware(1)

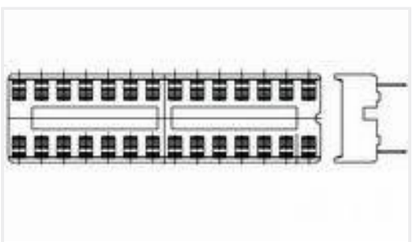


PCB Headers & Receptacles(1618)



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

Customers Also Bought



TE Part #1-2199298-2
8P,DIP SKT,300 CL,LDR,PB FREE



TE Part #1761607-3
IDC LOW PRO HDR 10P RA LG LAT



TE Part #87224-3
03 MODII HDR SRST UNSHRD .100



TE Part #1734366-1
Std USB Type A, VT, T/H



TE Part #5-146256-3
06 MODII HDR DRST B/A .100CL L



TE Part #9-1415029-1
PB114024



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



TE Part #1623163-1
CRG0805 1% 24K



TE Part #1-2176493-6
BMC 0603 420R 25% A Gen C



TE Part #6-1393224-0
RY213005

Documents

Product Drawings

B/A REELED SRST HDR ASSY 30 AU

English

CAD Files

Customer View Model

ENG_CVM_5-146868-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_5-146868-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_5-146868-1_C.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English