5-103817-2 ✔ ACTIVE

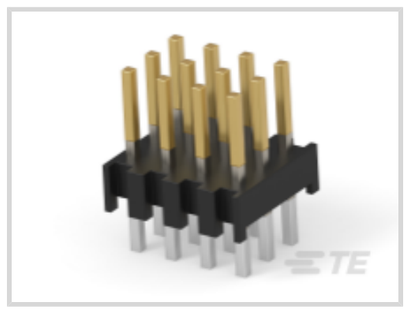
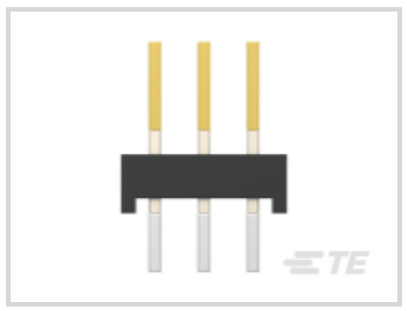
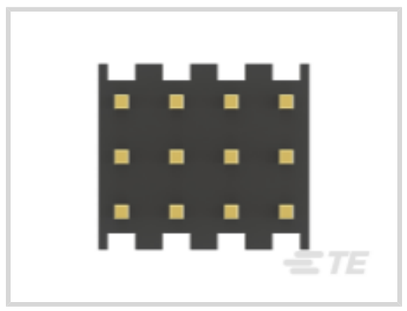
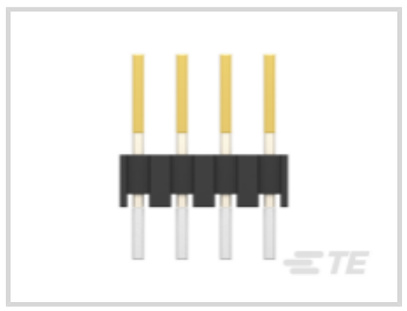
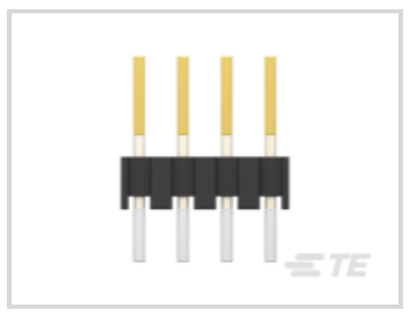
AMPMODU | AMPMODU Headers

TE Internal #: 5-103817-2

PCB Mount Header, Vertical, Board-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Gold, Through Hole - Solder, Signal, AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	3
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Operating Voltage	30 VAC

Body Features

Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	10 – 20 µin
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR16455, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°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 # 1-829492-2
MOD2 HDR 3 ROW 12P



TE Part # 829492-4
3X 4P MOD2 STIFTLEI

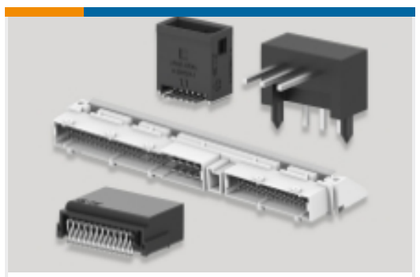
Also in the Series | AMPMODU Headers



Connector Contacts(60)



Connector Hardware(1)



PCB Headers & Receptacles(1629)



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

Customers Also Bought



TE Part #1825007-6
DRD10E04=ROT DIP,10P



TE Part #5535032-4
ASSY,RECEPTACLE,EUROCARD,TYPE



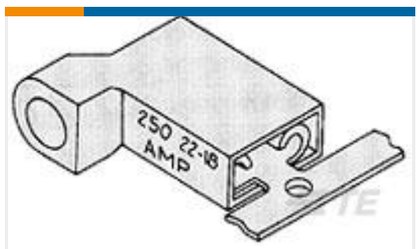
TE Part #3-1419108-5
RTD34012



TE Part #2-520083-2
ULTRA-FAST .110/.125 ASY REC 22-18 TPBR



TE Part #1600903-1
2NDARY RCPT PWR VERT BLKHED MT



TE Part #2-520334-2
ULTRAFAST 187 ASSY FLAG REC 22-18 TPBR



TE Part #1600914-5
HARDWARE KIT PANEL MT MULTIBEA



TE Part #160914-2
FF 250 REC 4-6MM2 TPBR



TE Part #5531216-5
CONTACT MINI TANDEM SPRING L

TE Part #1-1892903-9
XLE REC PMT 15P/28S

Documents

Product Drawings

12 MODII HDR 3RST UNSHRD .100

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5-103817-2_E1.3d_igs.zip

English

Customer View Model

ENG_CVM_5-103817-2_E1.3d_stp.zip

English

Customer View Model

ENG_CVM_5-103817-2_E1.2d_dxf.zip

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

AMPMODU Interconnetion System

AMPMODU Interconnetion System

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

141991-2 175977-2 936348-1 CPF0402B37K4E1 CRGCQ2010J3K3 SMW73R0JT 1-962915-1 2834055-1 3430B2F51RTDF SBCHE154R7K 1743455-2 2005330-1 TE50BR39J 1969656-1 2-292161-3 2310537-1 2380312-2 1393431-1 1-794222-0 2377783-2 3-1393225-0 3631B101LL 917696-1 ROX05SJ18R SBCHE64R7K U5254-000005-030PA 1903112-2 RH73H2A40MKTN 650075-000 MPT100C18RF