5-146257-8 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-146257-8

PCB Mount Header, Vertical, Board-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder, AMPMODU Headers

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PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **16**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

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
Number of Positions	16
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VAC

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

	100 – 200 µin
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
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

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

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)	1.57 mm[.062 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	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
Packaging Method	Carton

Product Compliance

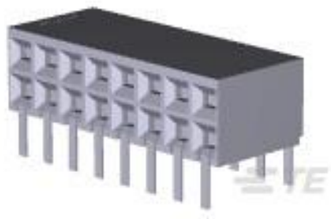
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 1-5535512-8
16 MODII HORZ DR CE EESS .100



TE Part # 5-534206-8
16 MODII VRT DR CE 100/115

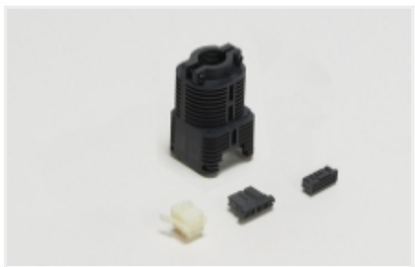
Also in the Series | AMPMODU Headers

Automotive Signal & Power Headers(3)

Board-to-Board Headers & Receptacles(1147)

Connector Contacts(15)

Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Power Connectors(25)



Wire-to-Board Connector Assemblies & Housings(2)

Customers Also Bought

TE Part #ZPF000000000009134
983-7SE 08-03 PN-A246

TE Part #1-530785-2
BOX PIN HDR ASSY 50 PS 075 CL

TE Part #650907-5
150 EURO TYPE C PIN ST ASSY

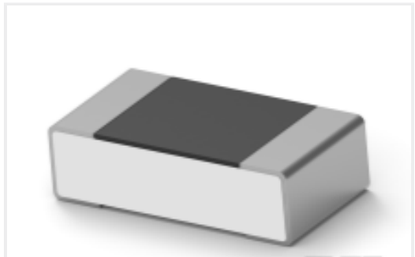
TE Part #2-1617033-8
HFW1230K00 = HFW 1/2 SIZE RELA



TE Part #2-1761607-3
IDC LOW PRO HDR 10P RA LAT



TE Part #3-2176092-3
RP 2A 0.25W 1K5 0.1% 25PPM 1K RL



TE Part #3-2176371-2
RQ 0603 9K76 0.1% 10PPM 5K RL

TE Part #2-1617028-4
HFW1103K05 = HFW 1/2 SIZE RELA

TE Part #2-1617028-6
HFW1103K08 = HFW 1/2 SIZE RELA

TE Part #1617087-9
CW-9532 = C-10AMP HALF SIZE RE

Documents

Product Drawings

16 MODII HDR DRST B/A .100CL L

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146257-8_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146257-8_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146257-8_J.3d_stp.zip

English

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Product Specifications

Application Specification

English