5-146250-5 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-146250-5

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

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PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **10**

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	10
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
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 Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.18 mm[.125 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	320
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 # 146762-2
10 MODII VRT DR CE 100/115

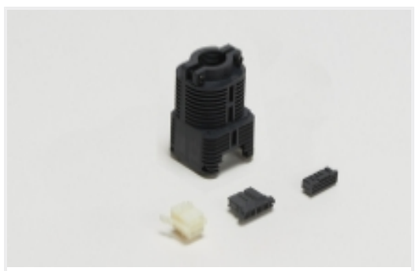
Also in the Series | AMPMODU Headers

Automotive Signal & Power Headers(3)

Board-to-Board Headers & Receptacles(1147)

Connector Contacts(15)

Connector Hardware(1)



Rectangular Connector Housings(2)



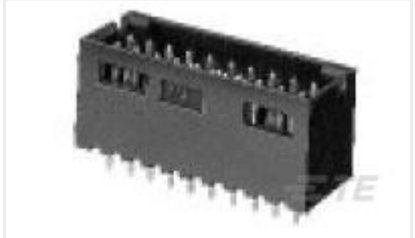
Rectangular Power Connectors(25)



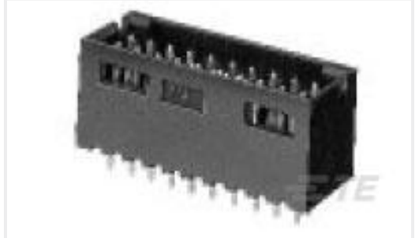
Wire-to-Board Connector Assemblies & Housings(2)

Customers Also Bought

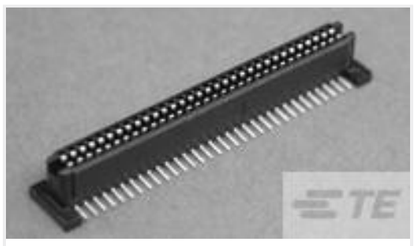
TE Part #NB19914001
VERSAFIT-1/16-0-SP



TE Part #5-102618-2
08 MODII HDR DRST SHRD .100CL



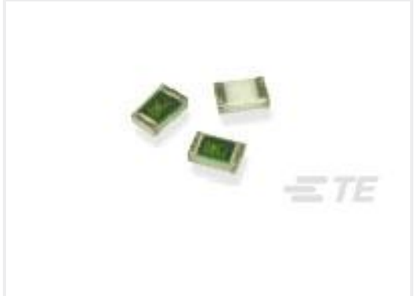
TE Part #5-102618-5
14 MODII HDR DRST SHRD .100CL



TE Part #120521-1
1FHR,64,30A/P,S,N,S08,09,10



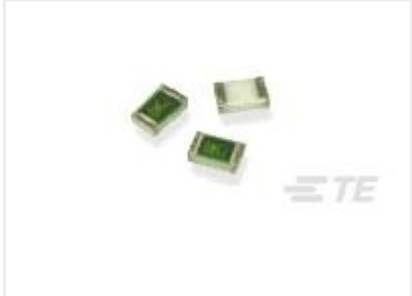
TE Part #CAT-J04-APHH
AMPSEAL PCB Right-Angle Headers



TE Part #1676303-2
RN 0805 31K6 0.1% 10PPM 1KRL



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



TE Part #7-2176093-7
RP 2A 0.25W 64K9 0.1% 25PPM 1K RL



TE Part #4-2176330-8
CRGP 2010 82K 1%

Documents

Product Drawings

10 MODII HDR DRST B/A .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146250-5_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146250-5_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146250-5_G.3d_stp.zip

English

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