2-825440-5 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 2-825440-5

PCB Mount Header, Vertical, Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold (Au) / Gold Flash, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **50**

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	50
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

Primary Product Color	Green

Contact Features

Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.5 µm
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Mating Area Plating Material	Gold (Au), Gold Flash
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.2 mm[.126 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	PBT

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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

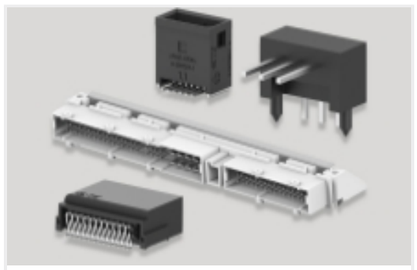
Also in the Series | AMPMODU Headers



Automotive Headers(3)



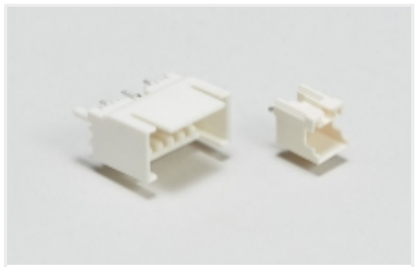
Automotive Signal & Power Headers(3)



PCB Headers & Receptacles(1173)



Rectangular Power Connectors(25)



Wire-to-Board Headers & Receptacles (78)

Customers Also Bought



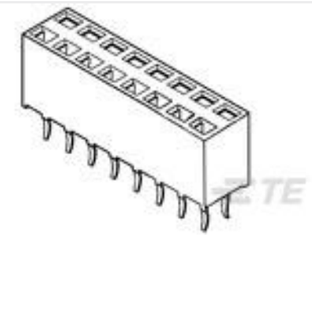
TE Part #203323-E
MJIM IMV 1X1 S 88 * X R THRU * L1 M3D01



TE Part #DT15-08PA
HDR, 8P, GRY, ST, NI/CU, A



TE Part #5-103168-1
06 MODII HDR DRST SHRD .100CL



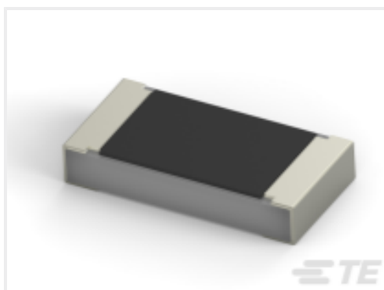
TE Part #2-215307-5
2X25P HV100 REC CON. TE, 7.0MM



TE Part #1-281698-2
HEADER HE14 RA 12 P



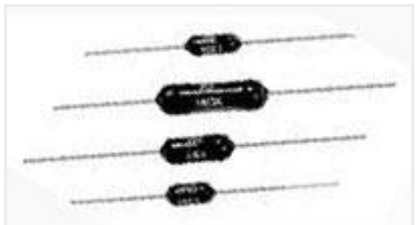
TE Part #4-1462037-5
IM05JR=IM RELAY 140mW 9V



TE Part #5-1614958-2
CPF 0805 3R32 0.1% 25ppm 1K RL



TE Part #2-1676480-7
CRG0402 1% 1K6



TE Part #6-1879665-8
H8 61K9 0.1% 15PPM

TE Part #5-2176343-1
CRGCQ 1206 150K 1%

Documents

Product Drawings

MOD 2 PINHDR 2X25P.

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_2-825440-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_2-825440-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_2-825440-5_F.3d_stp.zip

English

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

Agency Approvals

UL Report

English