1-828430-2 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 1-828430-2

AMPMODU Headers, PCB Mount Header, Vertical, Board-to-Board, 24 Position, 2.54mm [.1in] Centerline, Breakaway

View on TE.com >

Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles

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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **24**

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

Features

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

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	24
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Contact Features

Mating Square Post Dimension	.63 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3 µm
Contact Shape & Form	Square
Contact Underplating Material	Nickel

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.63 mm[.025 in]
Termination Post & Tail Length	2.65 mm[.104 in]
Termination Method to Printed Circuit Board	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 Color	Green
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	250

Packaging Method	Carton

Other

Comment	Headers are side-to-side stackable.

Product Compliance

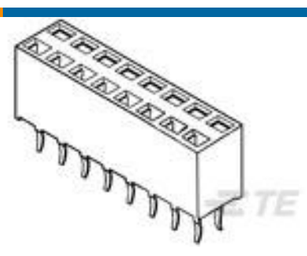
For compliance documentation, visit the product page on TE.com>

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: JUN 2020 (209) Candidate List Declared Against: JAN 2018 (181) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 1-215307-2
2X12P HV100 REC CON. TE, 7.0MM

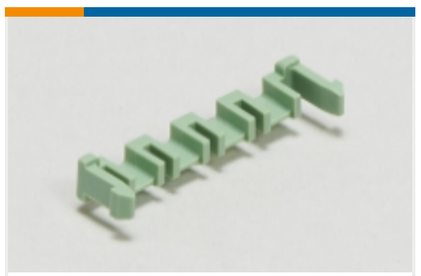
Also in the Series | AMPMODU Headers

Automotive Headers(10)

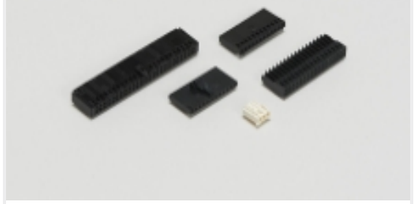
Board-to-Board Headers & Receptacles(5340)

PCB Connector Mounting(1)

PCB Connector Shrouds(1)

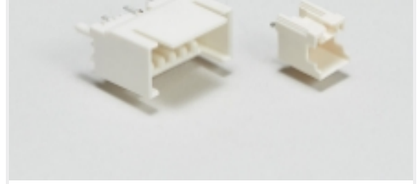


PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(3)

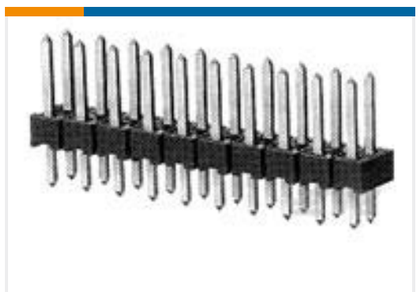
Wire-to-Board Connector Contacts(46)



Wire-to-Board Headers & Receptacles (79)

Customers Also Bought

TE Model / Part #3-2213818-2
6X6 ILL TACT THT 160GF HI COLD WHITE



TE Model / Part #828430-5
2X 5P AMPMODU II STIFTLEI

TE Model / Part #ZPF000000000008921
983-6SE 18-14 SN

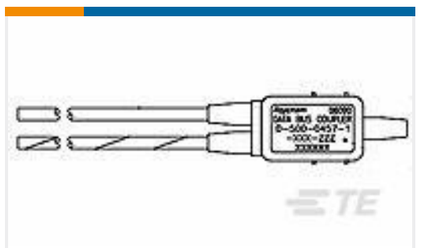
TE Model / Part #ZPF000000000008035
983-1YE 10-06 PN

TE Model / Part #1766600-4
INSULATION BOOT,#2,BLUE

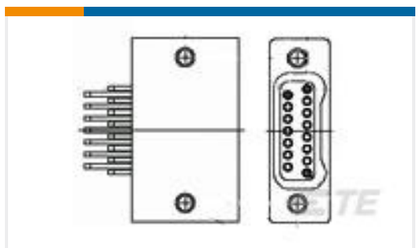
TE Model / Part #828430-2
2X 2P AMPMODU II STIFTLEI

TE Model / Part #828430-7
2X 7P AMPMODU II STIFTLEI

TE Model / Part #ZPF000000000008020
983-1Y 12-12 PN



TE Model / Part #199203-000
D-500-0457-1-613-236



TE Model / Part #9-1589483-9
STM009L2AN = SMT CONN

Documents

Product Drawings

2X12P AMPMODU II STIFTLEI

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-828430-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-828430-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-828430-2_B.3d_stp.zip

English

Product Environmental Compliance

TE Material Declaration

English