280509-1 ✔ ACTIVE

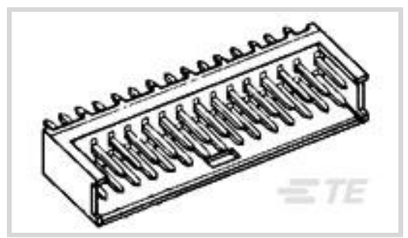
AMPMODU | AMPMODU Headers

TE Internal #: 280509-1

PCB Mount Header, Vertical, Board-to-Board, 18 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), AMPMODU Headers

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **18**

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	Partially Shrouded
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	18
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 V

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Shape & Form	Round

PCB Contact Termination Area Plating Material Thickness	3.5 µm
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
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]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	400
Packaging Method	Box

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

Compatible Parts



TE Part # 280513
AMPMODU II REC. HSG, DUAL ROW, 18 POS



TE Part # 280530-4
MOD2 BUCHSE

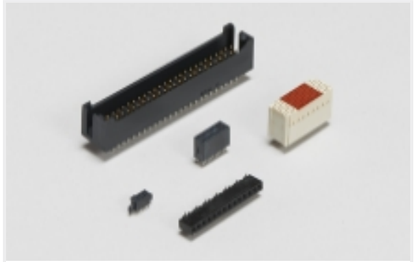


TE Part # 281556-2
20AWG MOD 2 CRIMP TIN PLATE

Also in the Series | AMPMODU Headers



Automotive Signal & Power Headers(3)



Board-to-Board Headers & Receptacles(1147)



Connector Contacts(15)



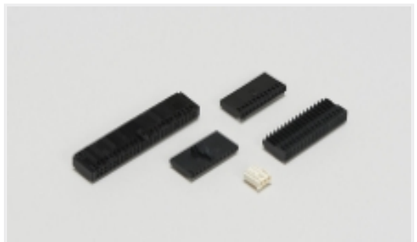
Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Power Connectors(25)

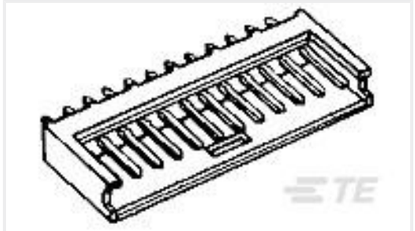


Wire-to-Board Connector Assemblies & Housings(2)

Customers Also Bought



TE Part #T1619030120-000
H3A-MAGSV-M20



TE Part #280372-1
6P AMPMODU II SHRD HDR, ST, TIN



TE Part #643408-1
06P UMNL PIN HDR ASSY POL 94VO



TE Part #643423-1
06P UMNL HDR ASSY POL



TE Part #1571983-3
GDH02STR04=DIP SWITCH



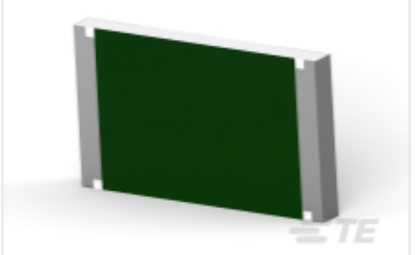
TE Part #6-1625890-5
2W SM M/OX 5% 68K



TE Part #2-1625958-9
HB01RE 3M0 1% 100PPM



TE Part #4-1879075-4
THS25 330R 5%



TE Part #1-2176408-6
3560 4K7 5%



TE Part #5555140-1
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD

Documents

Product Drawings

BARRE MODU 2 2X 9

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280509-1_S_c-280509-1-s.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280509-1_S_c-280509-1-s.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280509-1_S_c-280509-1-s.3d_stp.zip

English

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

Agency Approvals

UL

English