280611-1 ✔ ACTIVE

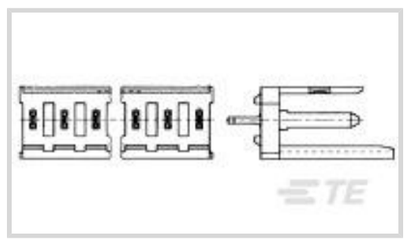
AMPMODU | AMPMODU MOD 1

TE Internal #: 280611-1

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, AMPMODU MOD 1

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms

Body Features

Connector Profile	Standard

Primary Product Color	Green

Contact Features

Contact Mating Area Plating Material Thickness	.38 µm[15 µin]
Mating Tab Width	1.6 mm[.063 in]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Mating Area Length	10 mm[.393 in]
Contact Base Material	Brass
Mating Tab Thickness	.79 mm[.031 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.9 mm[.035 in]
Rectangular Termination Post & Tail Thickness	.8 mm[.031 in]
Termination Post & Tail Length	3.3 mm[.129 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	Polycarbonate GF
Centerline (Pitch)	3.96 mm[.156 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

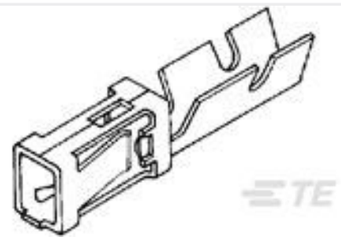
Compatible Parts



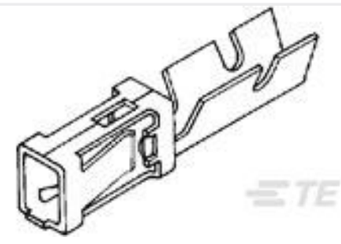
TE Part # 280592
AMPMODU I RECEPTACLE HOUSING.



TE Part # 182198-1
MOD 1 CONTACT

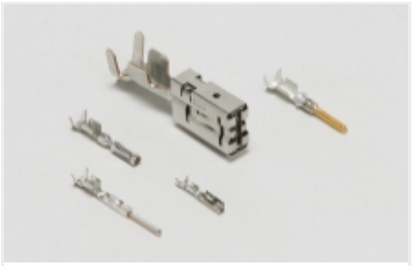


TE Part # 181299-2
MOD 1 CONTACT REC

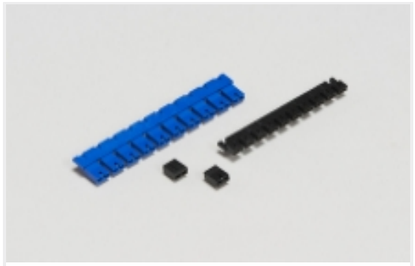


TE Part # 181299-1
MOD I CRIMP CONTACT

Also in the Series | AMPMODU MOD 1



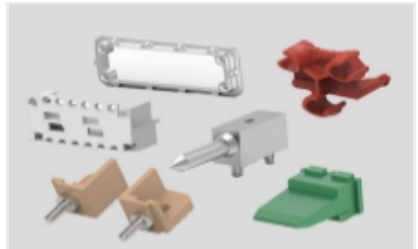
Automotive Terminals(4)



Board-to-Board Jumpers & Shunts(5)



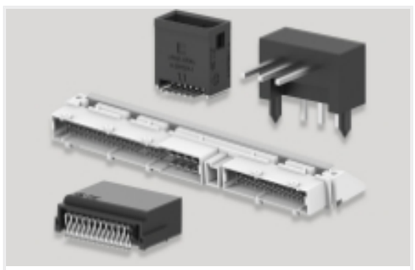
Connector Contacts(75)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(105)

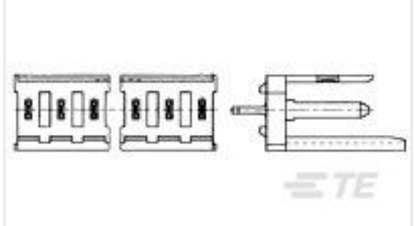


Wire-to-Board Connector Assemblies & Housings(16)

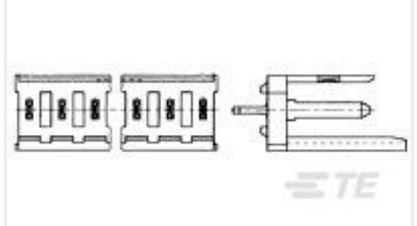
Customers Also Bought



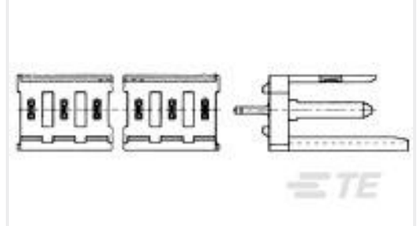
TE Part #316088-1
2.5 SIGNAL D/LOCK CAP HSG 4P



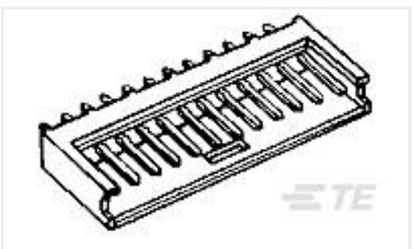
TE Part #280612-1
8P MOD 1 SHROUDED HEADER, ST, TIN PLTD



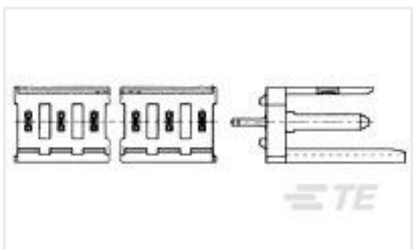
TE Part #280613-1
10P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #280610-1
4P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #280370-1
2P AMPMODU II SHRD HDR, ST, TIN



TE Part #280614-1
12P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #1969799-1
02P UMNL PIN HDR ASSY POL, PIN V0 GW



TE Part #826844-7
UMNL PC PIN HEADER 8POS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280611-1_M_c-280611-1-m.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280611-1_M_c-280611-1-m.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280611-1_M_c-280611-1-m.3d_stp.zip

English

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Agency Approvals

UL Report

English