280616-1 ✔ ACTIVE

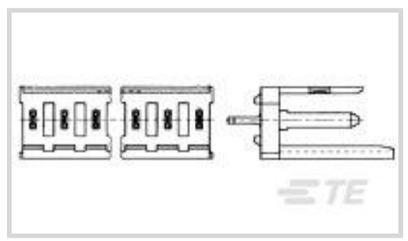
AMPMODU | AMPMODU MOD 1

TE Internal #: 280616-1

PCB Mount Header, Right Angle, Board-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), AMPMODU MOD 1

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	1
PCB Mount Orientation	Right Angle
Board-to-Board Configuration	Perpendicular

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms

Body Features

Connector Profile	Standard
Primary Product Color	Green

Contact Features

Mating Tab Width	1.6 mm[.063 in]

Contact Mating Area Length	10 mm[.393 in]
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.79 mm[.031 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.381 µm[15 µin]
Contact Mating Area Plating Material	Tin (Sn)
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
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.6 mm[.06 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	500

Packaging Method	Carton

Product Compliance

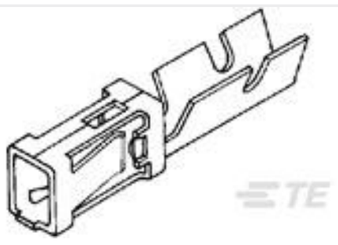
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

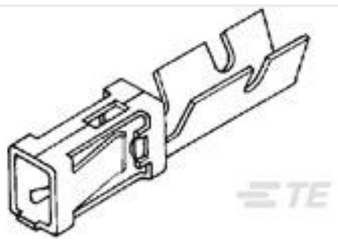
Compatible Parts



TE Part # 181299-1
MOD I CRIMP CONTACT



TE Part # 182198-1
MOD 1 CONTACT

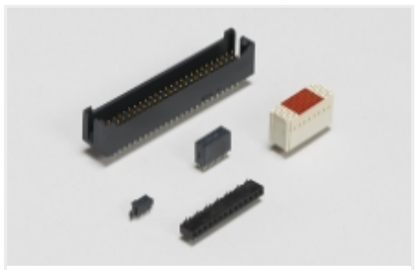


TE Part # 181299-2
MOD 1 CONTACT REC

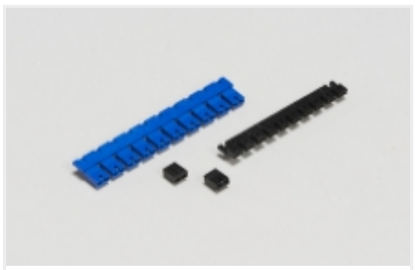


TE Part # 280591
AMPMODU MODU I REC HOUSING

Also in the Series | AMPMODU MOD 1



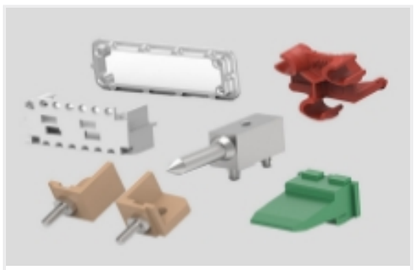
Board-to-Board Headers & Receptacles(81)



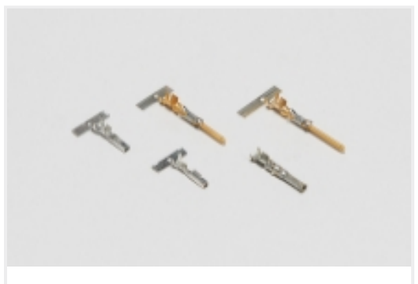
Board-to-Board Jumpers & Shunts(1)



Connector Contacts(41)



Connector Hardware(2)



Power Contacts(1)



Rectangular Connector Housings(8)



Rectangular Power Connectors(16)

Customers Also Bought



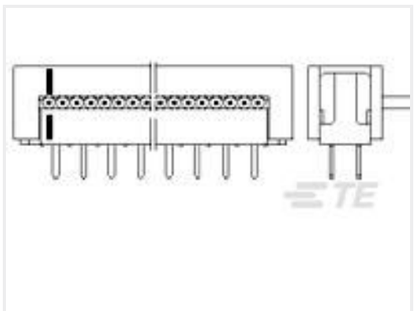
TE Part #1SNG601088R0000
EP-SG-M25-LGR-E



TE Part #T4142012041-000
M12,FRONT MOUNTING,MALE,A CODE,4P



TE Part #1-188275-0
MICRO-MATCH SMD FTE



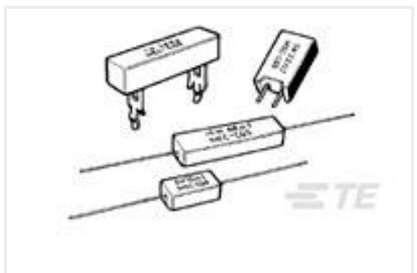
TE Part #1-216093-6
AMP-LATCH PRE-ASSY DIL WITHO



TE Part #3-647116-9
09P MTA100 HDR HT FL 30AU LF



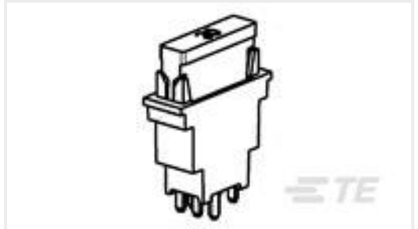
TE Part #1623568-1
CRG1206 1% 820R



TE Part #1-1623788-2
SQM5 2R2 5% (WIRE)



TE Part #5-1879234-2
SMF5 68K 5%



TE Part #1544550-2
MODULE AUTOFUSE



TE Part #064004-E
SMCQ 50 M AB VV 3-04 * 2,8 0003 137 E001

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280616-1_T_c-280616-1-t.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280616-1_T_c-280616-1-t.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280616-1_T_c-280616-1-t.3d_stp.zip

English

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Agency Approvals

UL Report

English