

181299-1 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

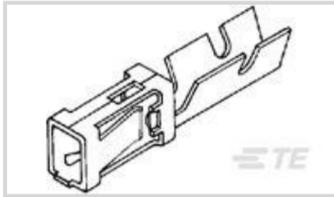
TE Internal #: 181299-1

Connector Contact, Socket, Board-to-Board, 3.81 mm [.15 in]
Centerline, Tin, 22 – 18 AWG Wire Size, .3 – .9 mm² Wire Size,
Straight, AMPMODU MOD 1

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Connector Contacts



Contact Type: **Socket**

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

Centerline (Pitch): **3.81 mm [.15 in]**

Contact Mating Area Plating Material: **Tin**

Wire Size: **22 – 18 AWG**

Features

Product Type Features

Applied Pressure	Standard
Connector System	Board-to-Board
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1200 VAC
Insulation Resistance	5000 MΩ
Contact Resistance	15 mΩ
Operating Voltage	40 VAC

Contact Features

PCB Contact Termination Area Plating Material Thickness	.7999984 μm[31.496 μin]
Contact Mating Area Plating Material Thickness	.8 μm[31.496 μin]
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Contact Orientation	Straight
Contact Current Rating (Max)	5 A

Termination Features



Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Snap-In
Wire Insulation Support	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	3.81 mm [.15 in]

Dimensions

Accepts Wire Insulation Diameter Range	1.8 – 2.3 mm [.071 – .091 in]
Wire Size	.3 – .9 mm ²

Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	2000
Packaging Method	Loose Piece

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	Not applicable for solder process capability

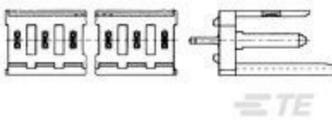
Product Compliance Disclaimer

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>

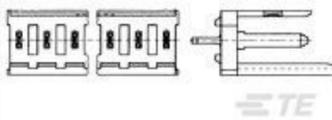
Compatible Parts



TE Part # 843473-1
EXTRACTION TOOL



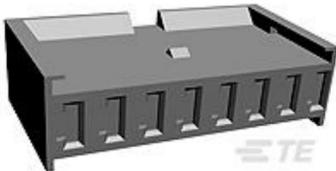
TE Part # 280612-2
8P MOD 1 SHROUDED HEADER, ST, 0.4 Au



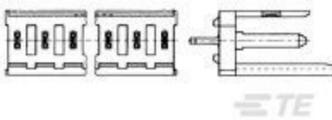
TE Part # 280611-2
6P MOD 1 SHROUDED HEADER, ST, 0.4 Au



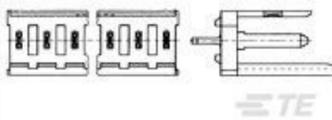
TE Part # 280592
AMPMODU I RECEPTACLE HOUSING.



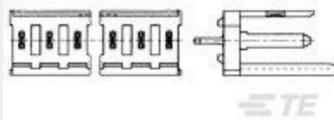
TE Part # 280593
AMP MODU MOD I RECEPT HSG



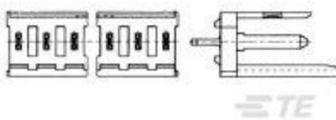
TE Part # 280612-1
8P MOD 1 SHROUDED HEADER, ST, TIN PLTD



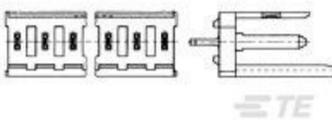
TE Part # 280618-2
MOD I INCREMENTAL ASSY



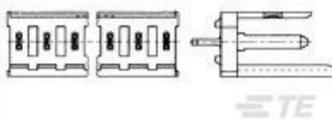
TE Part # 280616-2
MOD I INCREMENTAL ASSY



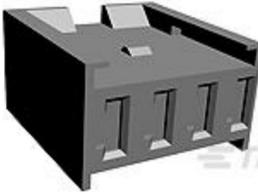
TE Part # 280610-2
4P MOD 1 SHROUDED HEADER, ST, 0.4 Au



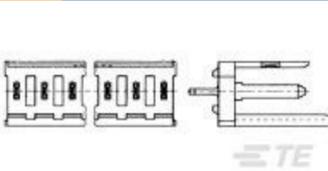
TE Part # 280613-1
10P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part # 280614-2
12P MOD 1 SHROUDED HEADER, ST, 0.4 Au



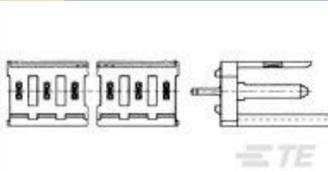
TE Part # 280591
AMPMODU MODU I REC HOUSING



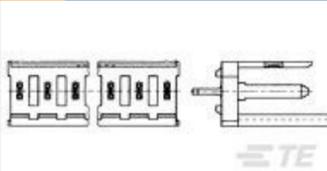
TE Part # 280609-1
2P MOD 1 SHROUDED HEADER, ST, TIN PLTD



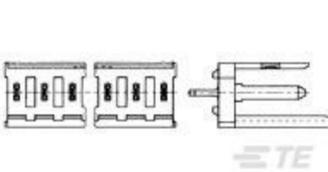
TE Part # 280590
AMPMODU MOD 1 REC HOUSING



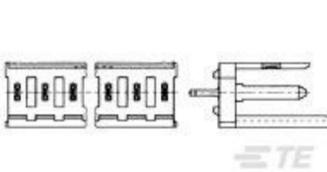
TE Part # 280610-1
4P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part # 280615-2
MOD 1 INCREMENTAL ASSY



TE Part # 280611-1
6P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part # 280615-1
02P MOD 1 ASSY.

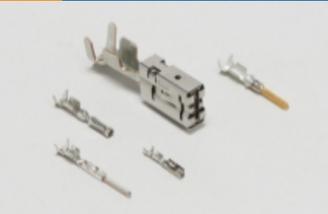


TE Part # 87159-5
04 MOD 1 CRMP S-I HSG SR .156CL



TE Part # 1-87159-0
10 MOD 1 CRMP S-I HSG SR .156CL

Also in the Series | AMPMODU MOD 1



Automotive Terminals(6)



Board-to-Board Connector Contacts (104)



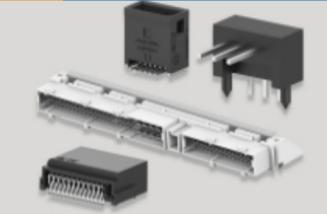
Board-to-Board Jumpers & Shunts(5)



Insertion & Extraction Tools(1)



PCB Connector Keying(2)



PCB Headers & Receptacles(372)



Wire-to-Board Connector Assemblies & Housings(44)



Wire-to-Board Connector Contacts(2)

Documents

[Product Drawings](#)
[MOD 1 CRIMP CONTACT](#)

English

[CAD Files](#)
[Customer View Model](#)
[ENG_CVM_181299-1_N1.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_181299-1_N1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_181299-1_N1.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

[Application Specification](#)

English