280514 ✔ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 280514

Housing, Receptacle, Wire-to-Board, 12 Position, .1 in [2.54 mm] Centerline, Crimp, 1 Row, Black, Mating Retention, Wire & Cable, Signal, AMPMODU IV/V

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

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

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	1

Body Features

Primary Product Color	Black

Contact Features

Contact Layout	Inline
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Detent Latching
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	7.1 mm
Connector Height	3.1 mm[.12 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-40 - 80 °C[-40 - 176 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

Product Compliance

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

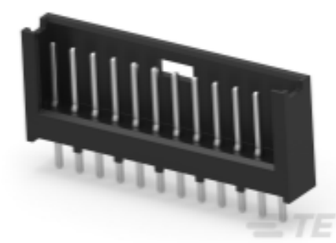
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

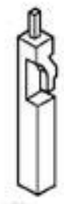
Compatible Parts



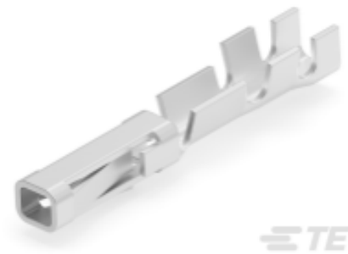
TE Part # 280520-1
12P AMPMODU II SHRD HDR, ST, TIN



TE Part # 280520-2
12P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part # 87077-2
MOD IV KEYING PLUG



TE Part # 181270-1
AMP-MODU CONTACT



TE Part # 181270-3
MOD 2 BUCHSE



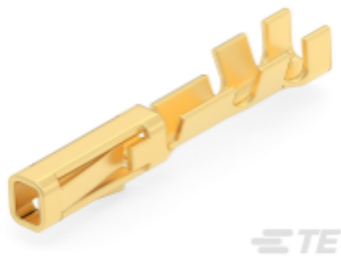
TE Part # 280530-4
MOD2 BUCHSE



TE Part # 280530-2
AMP MODU MOD 2 CONT



TE Part # 280523-1
12P MODU II SHRD HDR, RT ANG, TIN



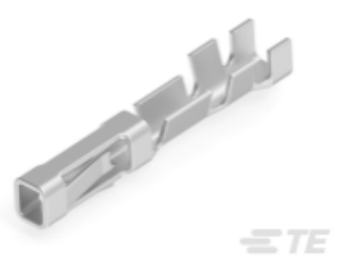
TE Part # 181271-2
MOD 2 CONTACT REC.



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



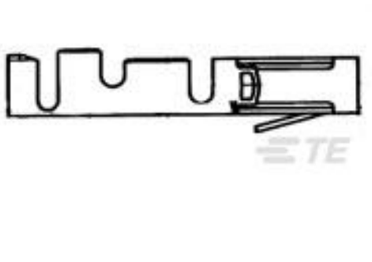
TE Part # 280530-1
MOD II COSI RECP CONT STR PH-B



TE Part # 280708-2
MOD 2 CONTACT



TE Part # 280530-3
MOD II COSI RECP CONT STR PRE



TE Part # 182207-2
AMP MODU II RCPT CONT COSI LP



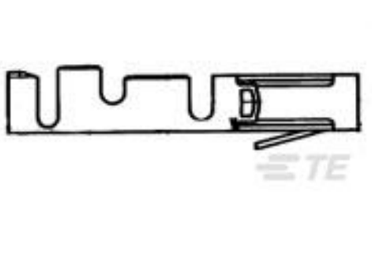
TE Part # 280523-2
12P MODU II SHRD HDR,RT ANG 0.38 AU



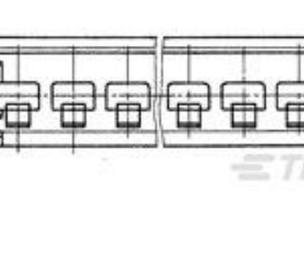
TE Part # 182206-2
MOD 2 TERMINAL



TE Part # 181270-2
MOD II CONTACT L.P.



TE Part # 281999-1
MODU II RCPT STD PR COSI



TE Part # 280634
AMPMODU II COSI PIN HSG, SGL ROW, 12 POS

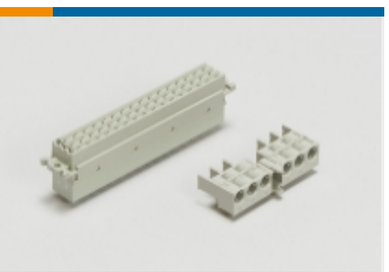


TE Part # 280520-3
12P AMPMODU II SHRD HDR, ST, 0.38 AU

Also in the Series | AMPMODU IV/V



Automotive Housings(1)



Backplane Connector Housings(1)



Connector Caps & Covers(18)



Connector Contacts(321)



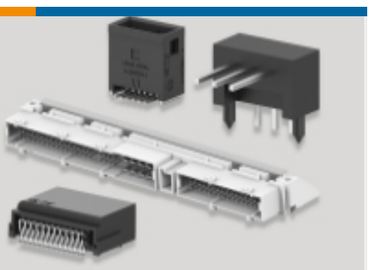
Connector Hardware(13)



Connector Strain Relief(3)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(931)



Rectangular Connector Housings(5)

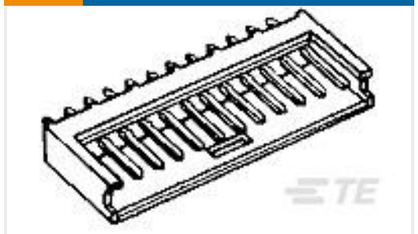


Standard Rectangular Connectors(8)

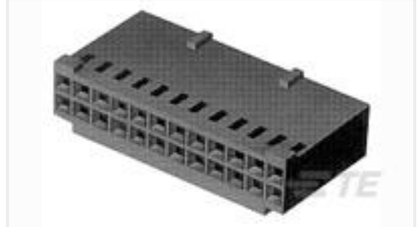


Wire-to-Board Connector Assemblies & Housings(444)

Customers Also Bought



TE Part # 280374-2
10P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part # 280366
AMPMODU II REC. HSG DUAL ROW, 16 POS.



TE Part # 280360
AMPMODU II REC. HSG, SINGLE ROW 6 POS



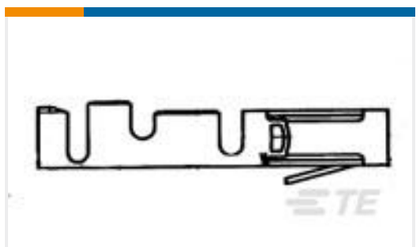
TE Part # 280359
AMPMODU II REC. HSG, SINGLE ROW, 4 POS.



TE Part # 925366-5
MOD 4 REC.HSG 1X05P



TE Part # 280390-1
2X8P MODU II SHRD HDR, RT ANG, TIN



TE Part # 182206-2
MOD 2 TERMINAL



TE Part # 133190-E
MJ DS VG * 8 8 8 * * * * 30 * J 3 133190



TE Part # BSA085F54590235000
923 PLUG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280514_Z.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280514_Z.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280514_Z.3d_stp.zip

English

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