



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
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Contact Features

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



Termination Features

Termination Method to Wire & Cable	Crimp
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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]
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Operation/Application

Circuit Application	Signal
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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: JUNE 2023 (235)
Candidate List Declared Against: JUNE 2023 (235)
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

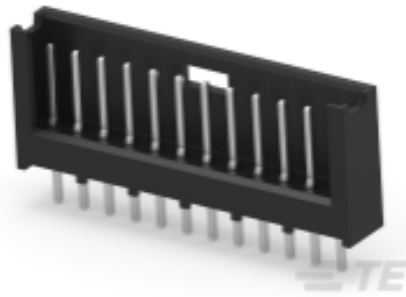
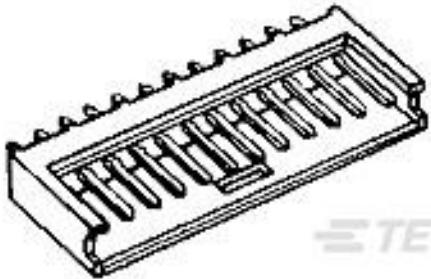
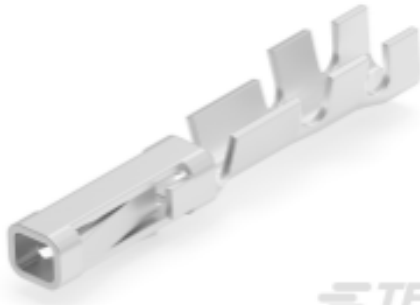
Solder Process Capability

Not applicable for solder process capability

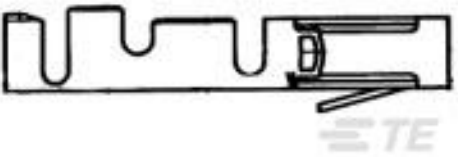
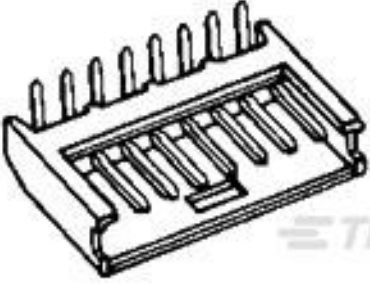
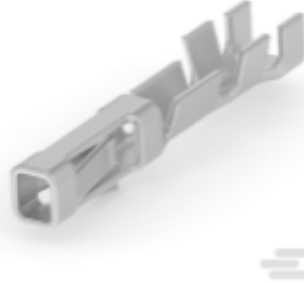
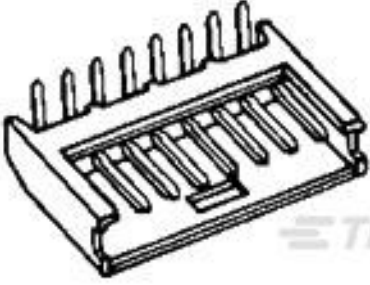
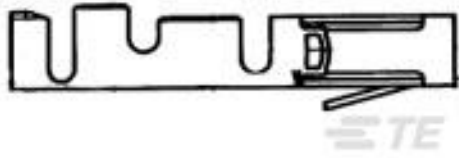
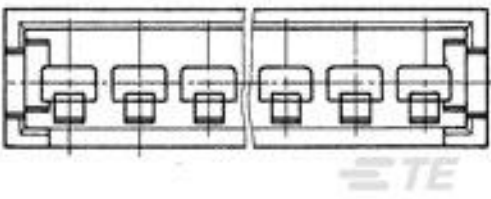
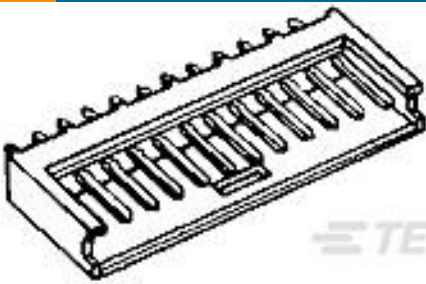
Product Compliance Disclaimer

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>

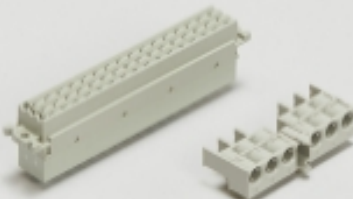
Compatible Parts

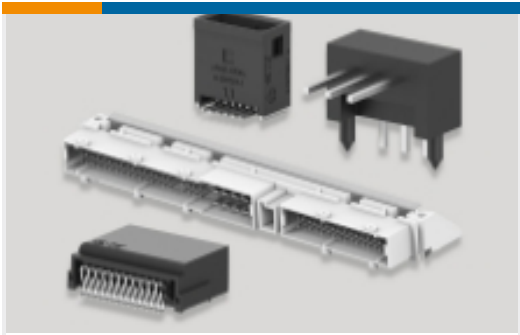
 TE Part # 280520-1 12P AMPMODU II SHRD HDR, ST, TIN	 TE Part # 280520-2 12P AMPMODU II SHRD HDR, ST, 0.38 AU	 TE Part # 87077-2 MOD IV KEYING PLUG	 TE Part # 181270-1 AMP-MODU CONTACT
 TE Part # 181270-2 MOD II CONTACT L.P.	 TE Part # 181270-3 MOD 2 BUCHSE	 TE Part # 280530-4 MOD2 BUCHSE	 TE Part # 280530-2 AMP MODU MOD 2 CONT



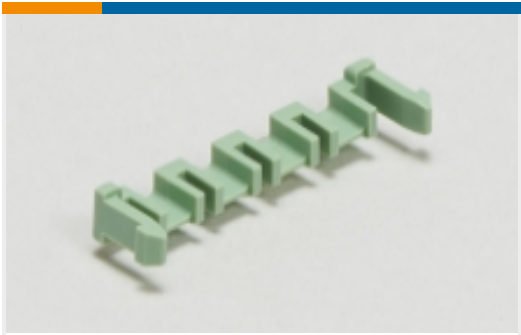
 TE Part # 281556-2 20AWG MOD 2 CRIMP TIN PLATE	 TE Part # 280530-1 MOD II COSI RECP CONT STR PH-B	 TE Part # 280708-2 MOD 2 CONTACT	 TE Part # 280530-3 MOD II COSI RECP CONT STR PRE
 TE Part # 182207-2 AMP MODU II RCPT CONT COSI LP	 TE Part # 280523-2 12P MODU II SHRD HDR,RT ANG 0.38 AU	 TE Part # 182206-2 MOD 2 TERMINAL	 TE Part # 280523-1 12P MODU II SHRD HDR, RT ANG, TIN
 TE Part # 181271-2 MOD 2 CONTACT REC.	 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(2)	 Backplane Connector Housings(1)	 Board-to-Board Connector Contacts(6)	 Connector Strain Relief(3)
 Insertion & Extraction Tools(4)	 PCB Connector Covers(18)	 PCB Connector Keying(6)	 PCB Connector Mounting(1)



PCB Headers & Receptacles(934)



PCB Latches, Locks & Retainers(7)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(447)



Wire-to-Board Connector Contacts (322)

Customers Also Bought



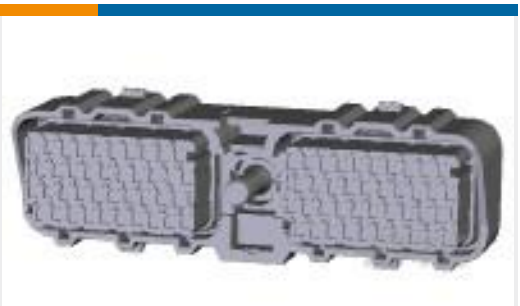
TE Part #280359
AMPMODU II REC. HSG, SINGLE ROW, 4 POS.



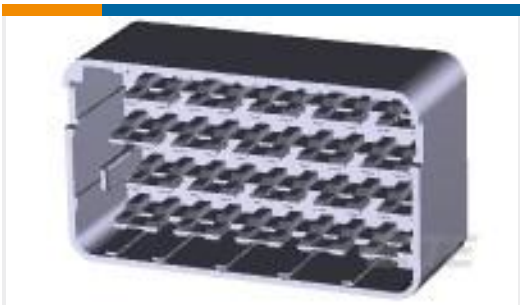
TE Part #1969588-2
HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5



TE Part #2213764-3
AV19 SPM 5A FIX RING LED WHITE 24V



TE Part #178411-6
80P PLUG HSG ASSY FOR 120P ECU



TE Part #178413-7
40P D.L.P FOR 120P ECU PLUG



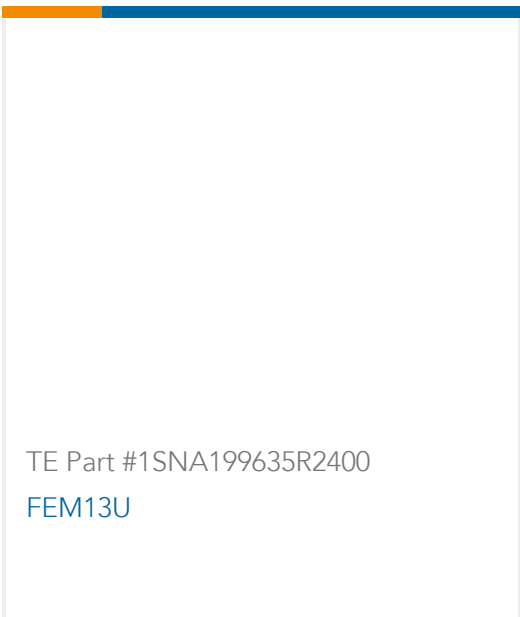
TE Part #41898
250 FASTON FLAG REC 18-12 AWG TPBR



TE Part #1969592-8
HSG,REC,FREE-HANGING,DUALROW, EP2.5



TE Part #1SNA199095R1300
ML10/13.SF



TE Part #1SNA199635R2400
FEM13U

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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Product Environmental Compliance

Product Compliance

English

Product Compliance

English