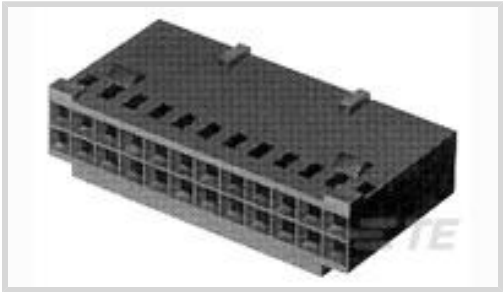




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **10**

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	10
Number of Rows	2

Electrical Characteristics

Termination Resistance	12 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 V
Operating Voltage	250 VAC

Contact Features

Contact Type	Socket
Contact Base Material	Beryllium Copper
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Mating Retention Type	Detent Latching
Mating Retention	With

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Nylon - GF
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black

Dimensions

Connector Length	12.7 mm[.5 in]
Connector Height	3.14 mm[.24 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Other

Comment	Cavity identification, AMP, part number and date code stamped on housing where size permits., Strain reliefs may be purchased separately. Refer to Strain Relief Part No. 87921-1 (for 10 thru 18 positions) or Strain Relief Part No. 87710-1 (for 20 positions and larger).
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Product Compliance



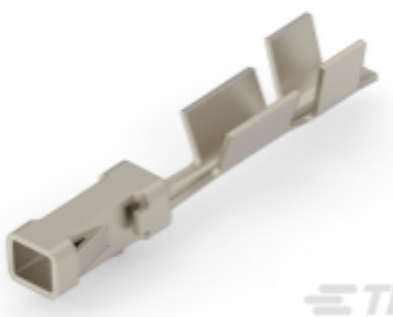
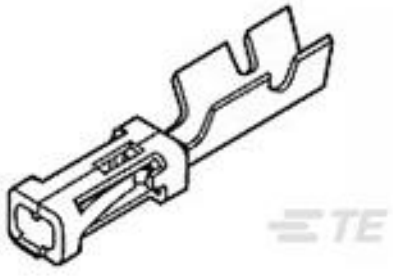
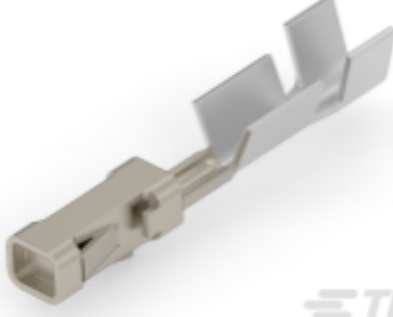
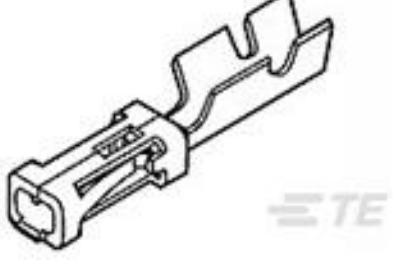
For compliance documentation, visit the product page on [TE.com](#)>

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

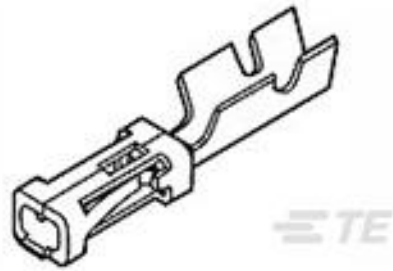
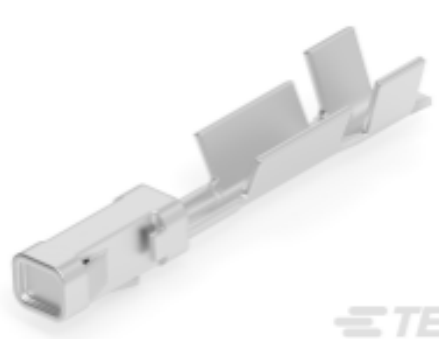
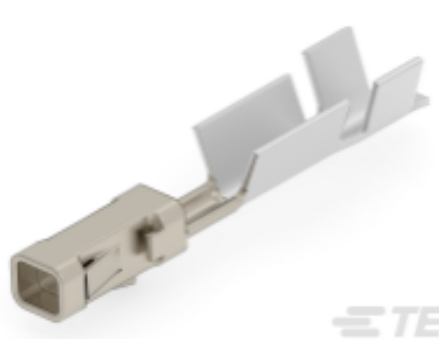
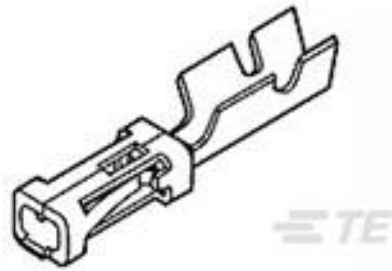
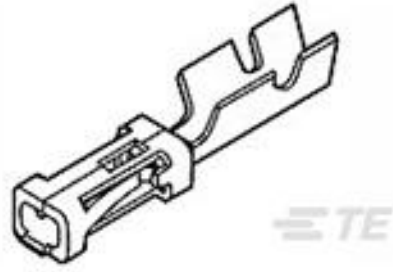
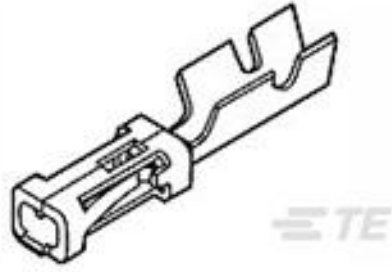
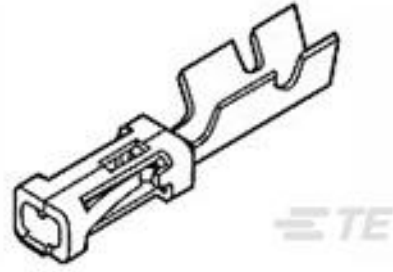
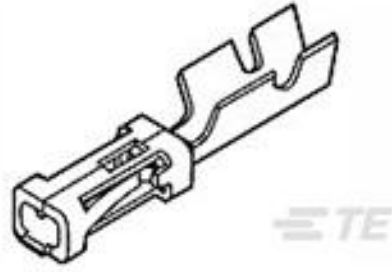
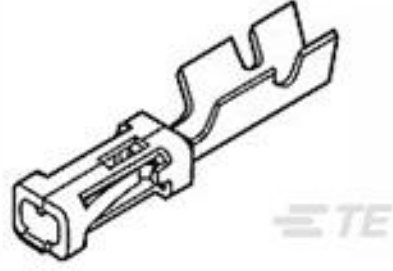
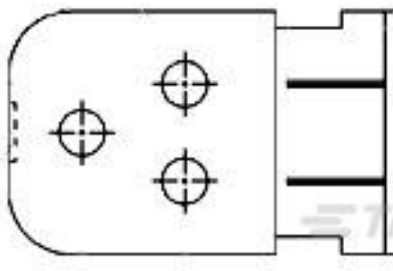
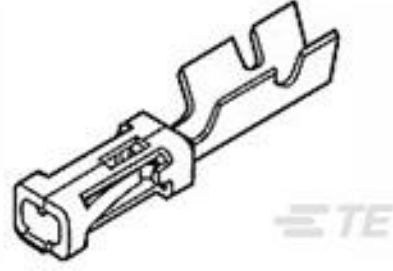
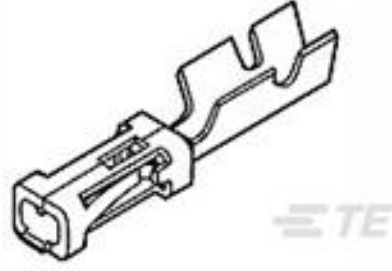
Product Compliance Disclaimer

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>

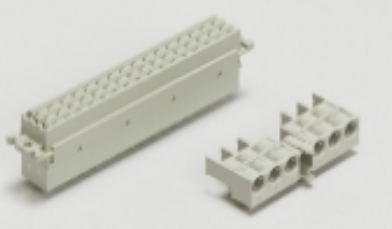
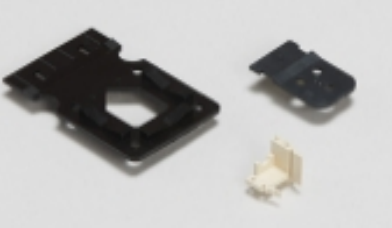
Compatible Parts

 TE Part # 5-87589-1 10 MODII HDR DRST SHRD .100CL	 TE Part # 87666-2 MOD IV RECP PLTD 30 SEL	 TE Part # 6-87756-7 MOD IV REC STP INT'L SPEC REEL	 TE Part # 87756-6 MOD IV RECP PLTD SN
 TE Part # 87809-1 MOD V RECP PLTD 30 AU	 TE Part # 6-87756-2 MOD IV RECP PLTD 15 DPLX LF	 TE Part # 87309-9 MOD V RECP PLTD 30 AU	 TE Part # 87523-5 MOD IV RECP PLTD SN



 TE Part # 102548-5 MOD IV RECP PLTD 30 SEL	 TE Part # 87309-8 MOD V RECP PLTD SN	 TE Part # 2-87523-3 MOD IV RECP PLTD 15 DPLX	 TE Part # 5-103171-4 MOD IV RECP PLTD 30 DPLX LF
 TE Part # 85969-8 MOD IV RECP PLTD 30 SEL	 TE Part # 87666-3 MOD IV RECP PLTD SN	 TE Part # 5-102920-1 MOD IV RECP PLTD 30 DPLX LF	 TE Part # 103455-1 MOD V RECP PLTD 30 AU
 TE Part # 102316-6 MOD IV RECP PLTD 15 DPLX	 TE Part # 87921-1 MOD IV STRAIN RELIEF	 TE Part # 2-87195-4 MOD IV RECP PLTE 15 DPLX	 TE Part # 102917-5 MOD IV RECP PLTD 15 SEL

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 Automotive Housings(2)	 Backplane Connector Housings(1)	 Board-to-Board Connector Contacts(6)	 Insertion & Extraction Tools(4)
 PCB Connector Covers(18)	 PCB Connector Keying(6)	 PCB Connector Mounting(1)	 PCB Connector Strain Relief(3)



PCB Headers & Receptacles(939)



PCB Latches, Locks & Retainers(7)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(467)



Wire-to-Board Connector Contacts (326)

Documents

Product Drawings

10 MODIV HSG DR MRKD .100 POL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_87631-6_AP.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_87631-6_AP.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_87631-6_AP.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_87631-6_0716201897_dmtec

87631-6

Housing, Receptacle, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Crimp, 2 Row, Black, Mating Retention, Wire & Cable, Signal, AMPMODU IV/V



English

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English