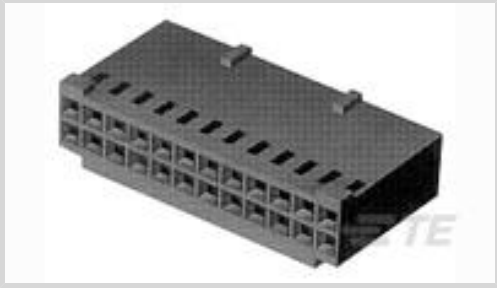




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



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

Industry Standards

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

Electrical Characteristics

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	250

Contact Features

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

Mechanical Attachment

Strain Relief	Without
Mating Retention Type	Detent Latching
Mating Retention	With



Dimensions

Connector Height	6.1 mm[.24 in]
Connector Length	15.4 mm[.61 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Housing Features

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

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	2

Body Features

Primary Product Color	Black
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Termination Features

Termination Method to Wire & Cable	Crimp
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Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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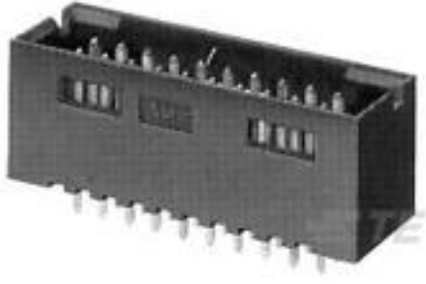
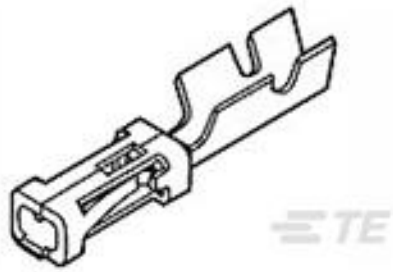
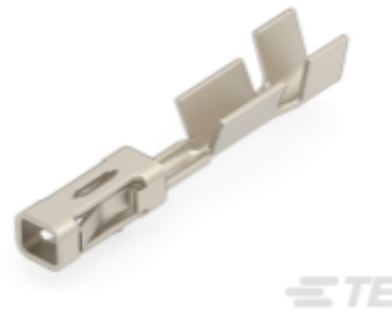
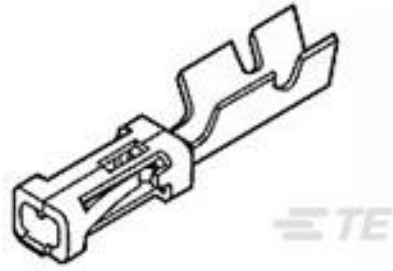
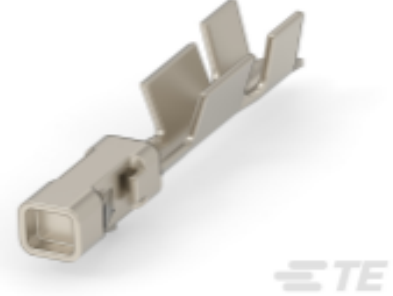


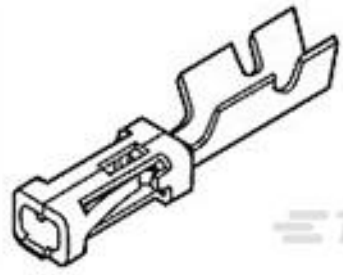
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

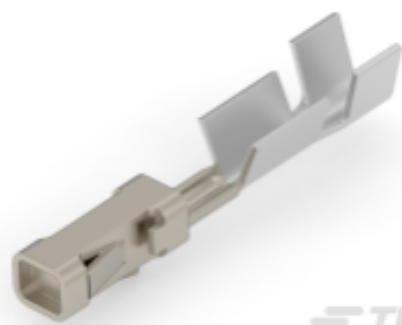
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

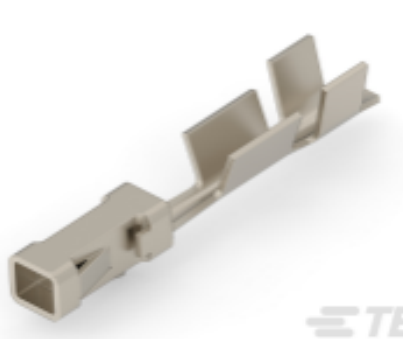
 TE Part # 103169-4 12 MODII HDR DRST SHRD .100CL	 TE Part # 87666-3 MOD IV RECP PLTD SN	 TE Part # 85969-8 MOD IV RECP PLTD 30 SEL	 TE Part # 87809-1 MOD V RECP PLTD 30 AU
 TE Part # 102917-5 MOD IV RECP PLTD 15 SEL	 TE Part # 102548-5 MOD IV RECP PLTD 30 SEL	 TE Part # 103167-3 12 MODII HDR DRRR SHRD .100CL	 TE Part # 87309-9 MOD V RECP PLTD 30 AU



TE Part # 5-102920-1
MOD IV RECP PLTD 30 DPLX LF



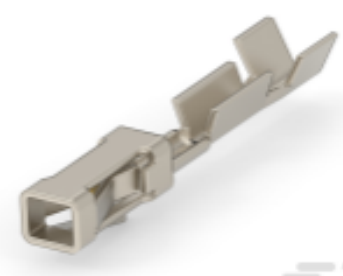
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MOD IV RECP PLTD 15 DPLX LF



TE Part # 87666-2
MOD IV RECP PLTD 30 SEL



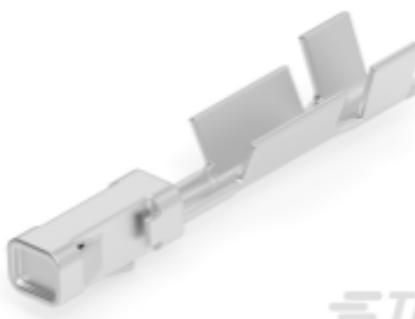
TE Part # 102618-4
12 MODII HDR DRST SHRD .100CL



TE Part # 103455-1
MOD V RECP PLTD 30 AU



TE Part # 87523-5
MOD IV RECP PLTD SN



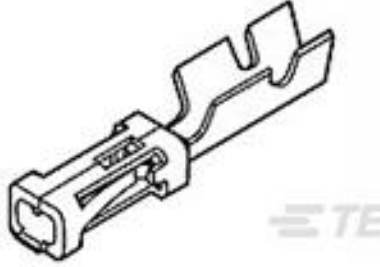
TE Part # 87309-8
MOD V RECP PLTD SN



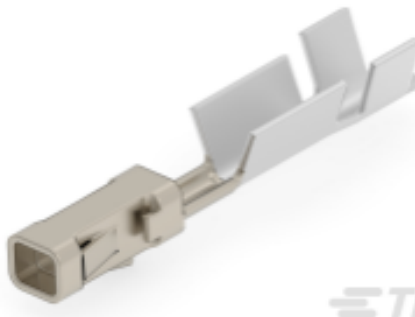
TE Part # 6-87756-7
MOD IV REC STP INT'L SPEC REEL



TE Part # 87756-6
MOD IV RECP PLTD SN



TE Part # 102316-6
MOD IV RECP PLTD 15 DPLX

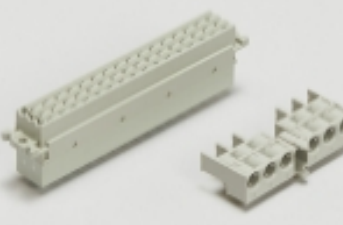


TE Part # 2-87523-3
MOD IV RECP PLTD 15 DPLX



TE Part # 103168-4
12 MODII HDR DRST SHRD .100CL

Also in the Series | AMPMODU IV/V



Backplane Connector Housings(1)



Connector Caps & Covers(11)



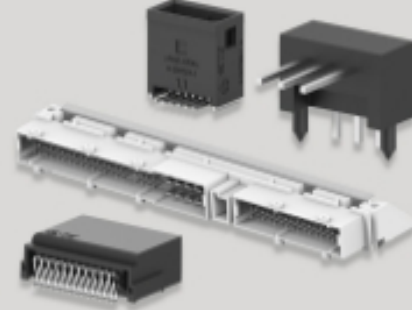
Connector Contacts(271)



Connector Hardware(10)



Insertion & Extraction Tools(4)

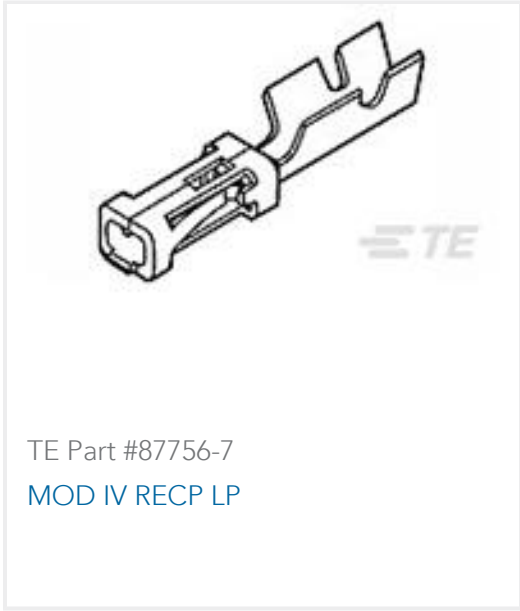
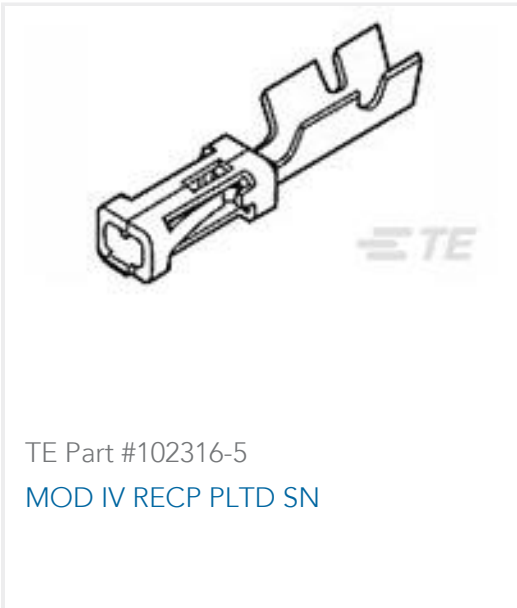


PCB Headers & Receptacles(517)



Power Contacts(207)

Customers Also Bought



Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_87977-4_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_87977-4_S.3d_igs.zip

English

Customer View Model

ENG_CVM_87977-4_S.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_87977-4_AC.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_87977-4_AC.3d_igs.zip

English



3D PDF

3D

Customer View Model

ENG_CVM_CVM_87977-4_AC.2d_dxf.zip

English

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English