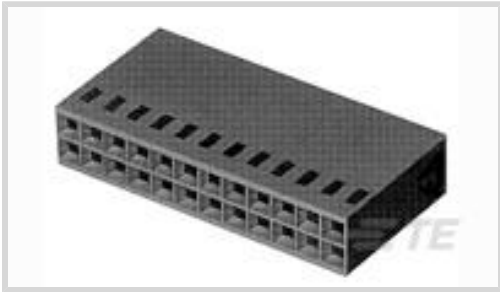




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



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      | 2  |

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Type                 | Socket          |
| Contact Base Material        | Phosphor Bronze |
| Contact Current Rating (Max) | 3 A             |



Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                  |         |
|------------------|---------|
| Strain Relief    | Without |
| Mating Retention | Without |

Housing Features

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

Dimensions

|                    |                 |
|--------------------|-----------------|
| Connector Length   | 15.23 mm[.6 in] |
| Connector Height   | 6.1 mm[.24 in]  |
| Row-to-Row Spacing | 2.54 mm[.1 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 2024 (241) |



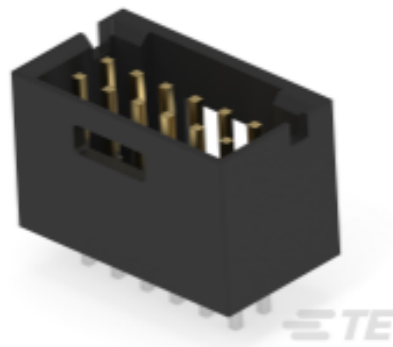
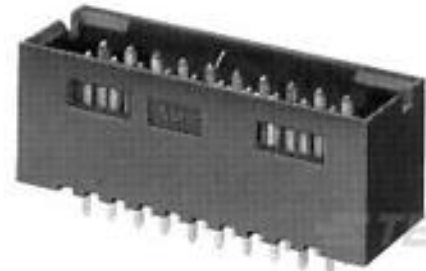
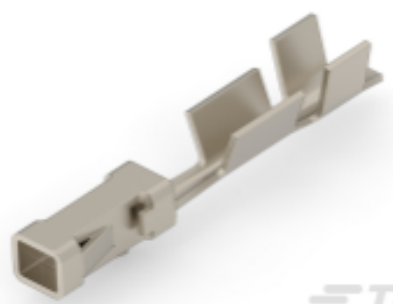
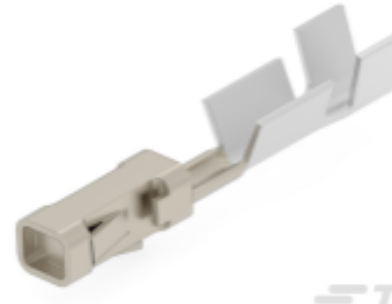
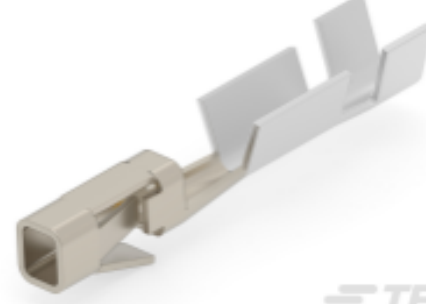
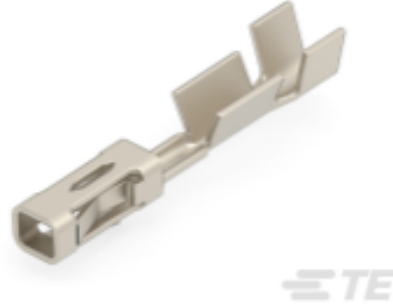
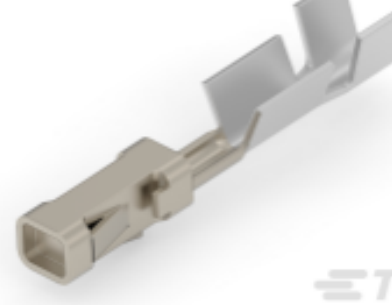
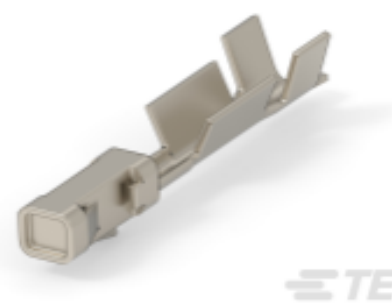
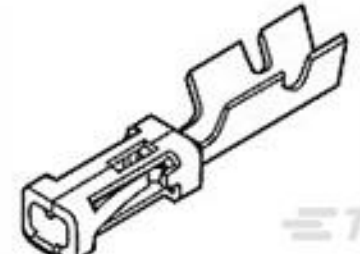
Candidate List Declared Against: JUNE 2024 (241)  
Does not contain REACH SVHC

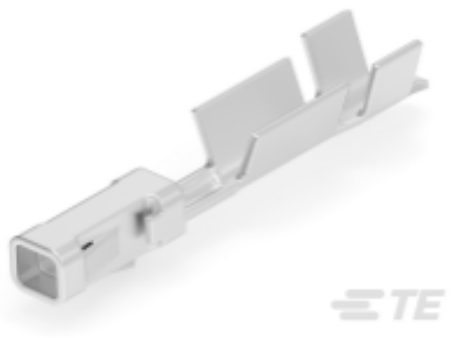
|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Halogen Content           | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Not applicable 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

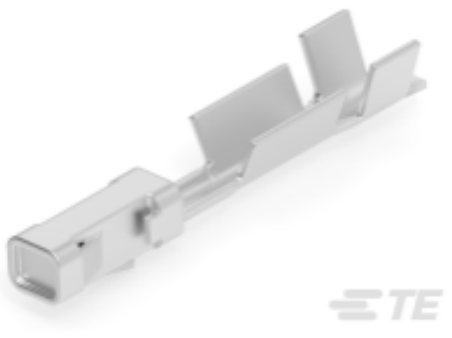
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|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 5-102618-4<br>12 MODII HDR DRST SHRD .100CL | <br>TE Part # 5-87589-2<br>12 MODII HDR DRST SHRD .100CL  | <br>TE Part # 5-103168-4<br>12 MODII HDR DRST SHRD .100CL | <br>TE Part # 5-103169-4<br>12 MODII HDR DRST SHRD .100CL |
| <br>TE Part # 87666-2<br>MOD IV RECP PLTD 30 SEL          | <br>TE Part # 6-87756-7<br>MOD IV REC STP INT'L SPEC REEL | <br>TE Part # 87756-6<br>MOD IV RECP PLTD SN              | <br>TE Part # 2-87195-4<br>MOD IV RECP PLTE 15 DPLX       |
| <br>TE Part # 87809-1<br>MOD V RECP PLTD 30 AU            | <br>TE Part # 6-87756-2<br>MOD IV RECP PLTD 15 DPLX LF    | <br>TE Part # 87309-9<br>MOD V RECP PLTD 30 AU            | <br>TE Part # 102917-5<br>MOD IV RECP PLTD 15 SEL         |



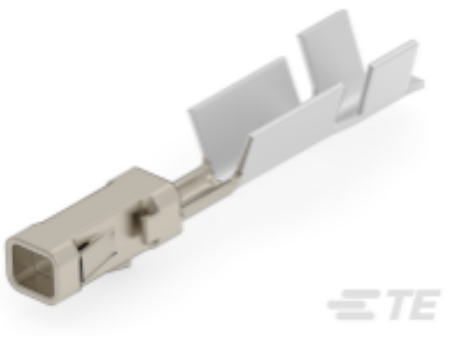
TE Part # 87523-5  
MOD IV RECP PLTD SN



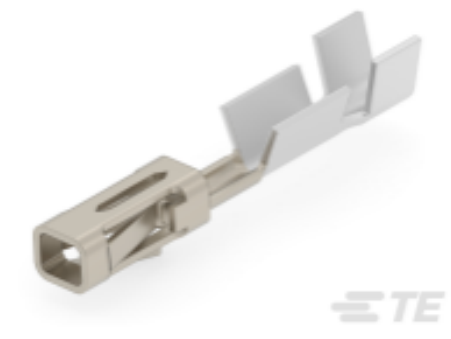
TE Part # 102548-5  
MOD IV RECP PLTD 30 SEL



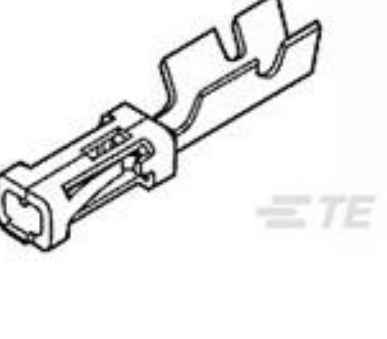
TE Part # 87309-8  
MOD V RECP PLTD SN



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



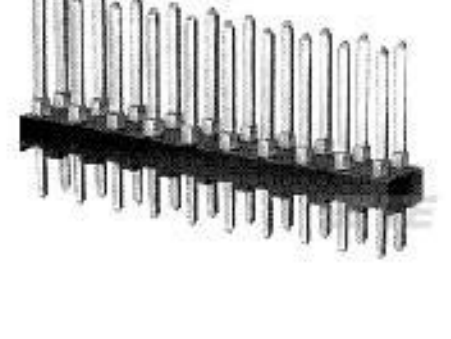
TE Part # 5-103171-4  
MOD IV RECP PLTD 30 DPLX LF



TE Part # 85969-8  
MOD IV RECP PLTD 30 SEL



TE Part # 87666-3  
MOD IV RECP PLTD SN

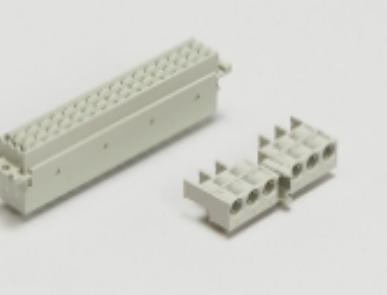


TE Part # 87215-3  
12 MODII HDR DRST UNSHRD .100

Also in the Series | AMPMODU IV/V



Automotive Housings(1)



Backplane Connector Housings(1)



Connector Caps & Covers(18)



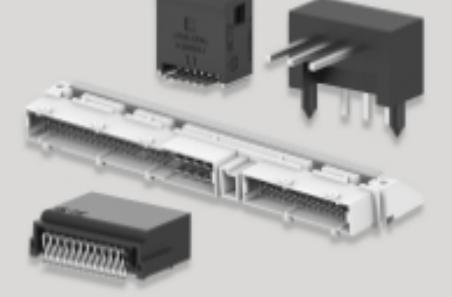
Connector Contacts(321)



Connector Hardware(13)



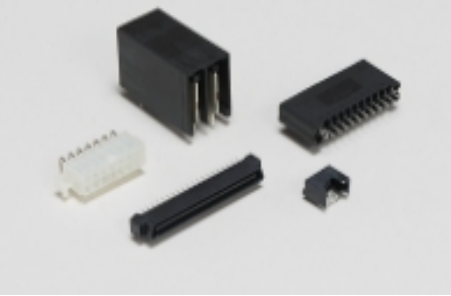
Insertion & Extraction Tools(4)



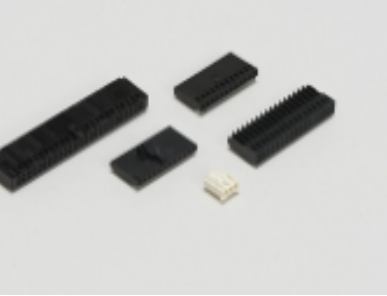
PCB Headers & Receptacles(931)



Rectangular Connector Housings(5)



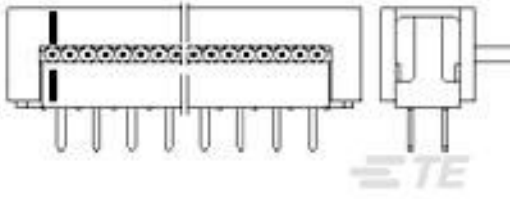
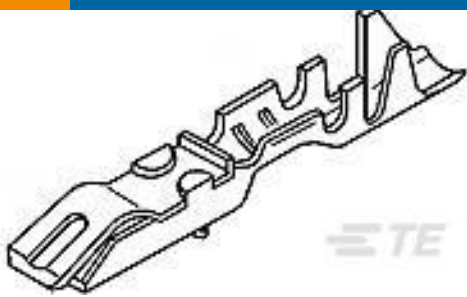
Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies  
& Housings(438)

Customers Also Bought



|                                                                                                                                                 |                                                                                                                                      |                                                                                                                                                |                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #1-175196-5<br/>DYNAMIC D-3 REC CONT/L PRE-TIN</p> |  <p>TE Part #4-216791-0<br/>AMP LATCH D/P ASSY</p> |  <p>TE Part #87190-1<br/>LOCKING CLIP CONT ASSY .025 SQ</p> |  <p>TE Part #1-480705-0<br/>06P UMNL CAP HSG NATL</p> |
|  <p>TE Part #42415-1<br/>110 FASTON REC 24-22 AWG TPBR</p>     |  <p>TE Part #690474-6<br/>SHEAR BLADE</p>          |  <p>TE Part #969047-3<br/>MODU CRIMP CONTACT</p>            | <p>TE Part #1-966830-4<br/>HD20 CONNECTOR KIT</p>                                                                                        |
| <p>TE Part #1-966830-3<br/>HD20 CONNECTOR KIT</p>                                                                                               | <p>TE Part #1-966830-5<br/>HD20 CONNECTOR KIT</p>                                                                                    |                                                                                                                                                |                                                                                                                                          |

Documents

Datasheets & Catalog Pages

AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTION5\_CONT

English

Product Specifications

Product Specification

English

Agency Approvals

UL

English