# 3-87631-1 ✔ ACTIVE

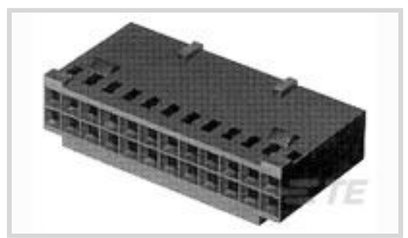
AMPMODU | AMPMODU IV/V

TE Internal #: 3-87631-1

AMPMODU IV/V, Housing, Receptacle, Wire-to-Board, 36 Position, 2.54mm [.1in] Centerline, Crimp, 2 Row, Row-to-Row Spacing .1 in [2.54 mm]

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: **36**

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 | 36 |
| 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 |

## 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 | 45.72 mm[1.8 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 |
| Approved Standards | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

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

## Other

| | |
|---|---|
| Comment | 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). |

# Product Compliance

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

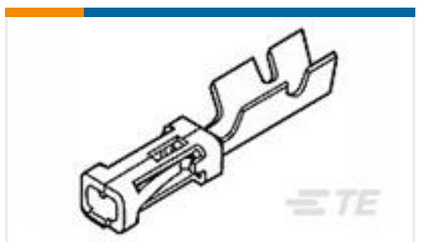
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |

| | |
|---|---|
| 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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content | Out of Scope - excluded from Halogen requirements |
| Solder Process Capability | Not applicable for solder process capability |

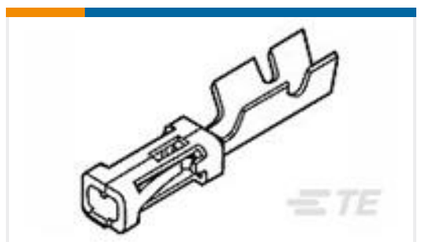
Product Compliance Disclaimer

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

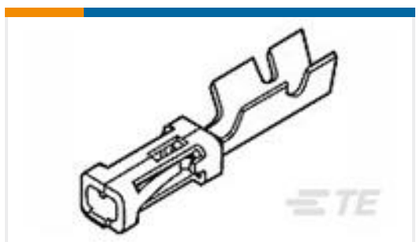
## Compatible Parts



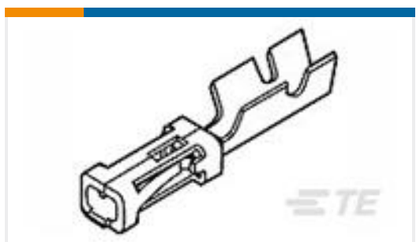
TE Part # 87666-2
MOD IV RECP PLTD 30 SEL



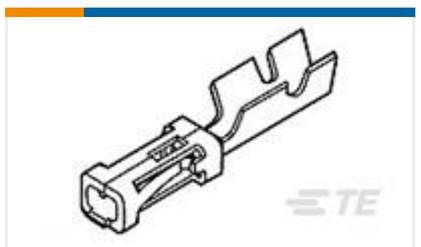
TE Part # 6-87756-7
MOD IV REC STP INT'L SPEC REEL



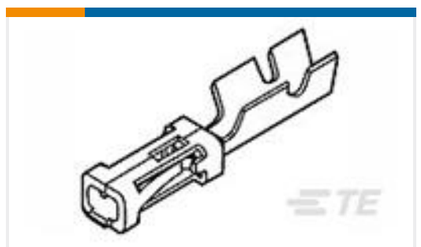
TE Part # 87756-6
MOD IV RECP PLTD SN



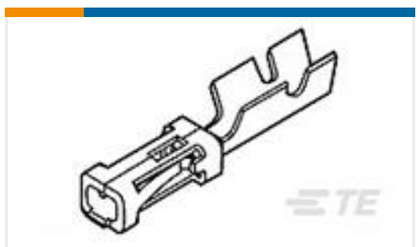
TE Part # 2-87195-4
MOD IV RECP PLTE 15 DPLX



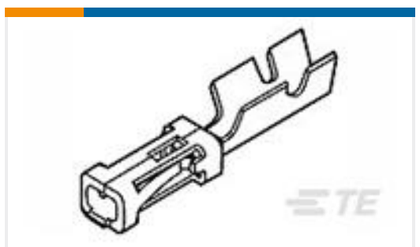
TE Part # 87809-1
MOD V RECP PLTD 30 AU



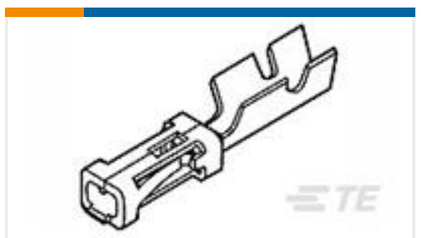
TE Part # 6-87756-2
MOD IV RECP PLTD 15 DPLX LF



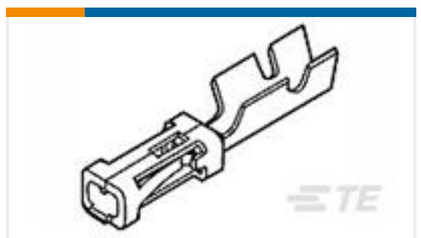
TE Part # 87309-9
MOD V RECP PLTD 30 AU



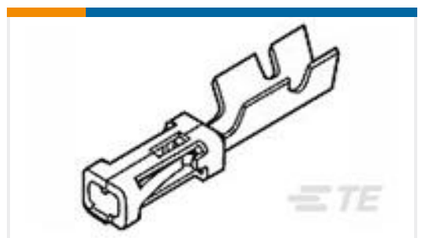
TE Part # 102917-5
MOD IV RECP PLTD 15 SEL



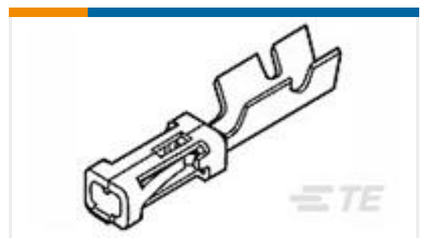
TE Part # 87523-5
MOD IV RECP PLTD SN



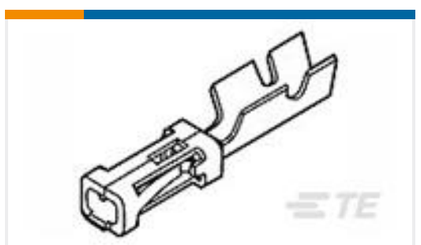
TE Part # 102548-5
MOD IV RECP PLTD 30 SEL



TE Part # 87309-8
MOD V RECP PLTD SN



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



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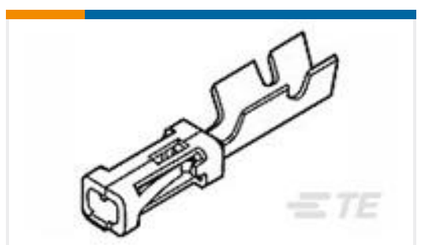
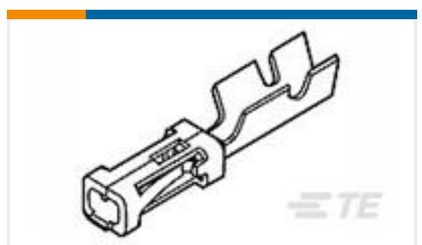
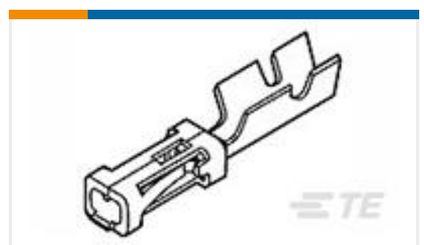
MOD IV RECP PLTD SN



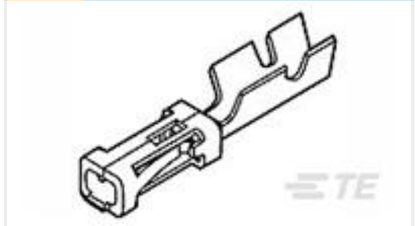
TE Part # 5-102920-1
MOD IV RECP PLTD 30 DPLX LF



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



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



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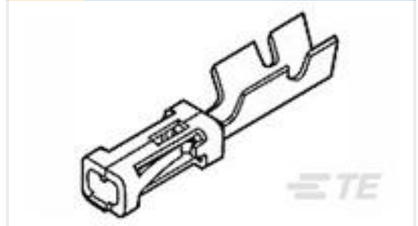
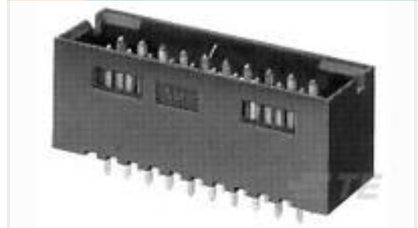
MOD IV RECP PLTD 30 DPLX LF



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



TE Part # 1-103169-6
36 MODII HDR DRST SHRD .100CL

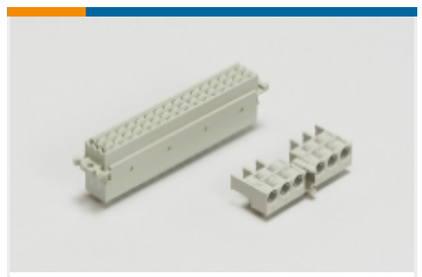
## Also in the Series | AMPMODU IV/V



Automotive Headers(2)



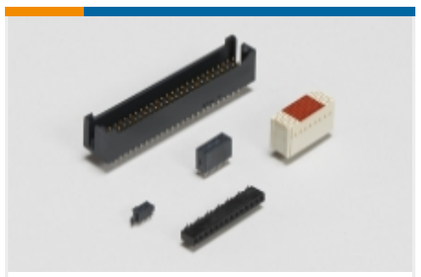
Automotive Housings(4)



Backplane Connector Housings(1)



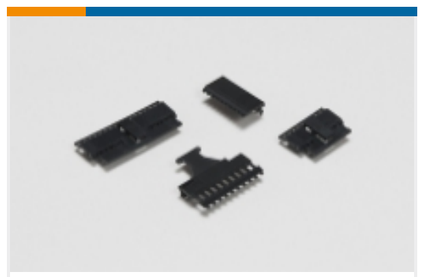
Board-to-Board Connector Contacts(6)



Board-to-Board Headers & Receptacles(937)



Insertion & Extraction Tools(4)



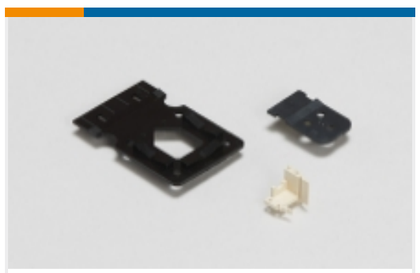
PCB Connector Covers(18)



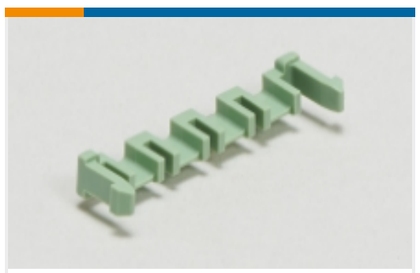
PCB Connector Keying(6)



PCB Connector Mounting(1)



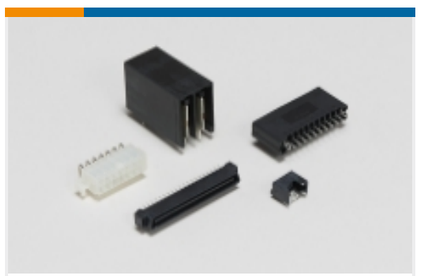
PCB Connector Strain Relief(3)



PCB Latches, Locks & Retainers(9)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(472)



Wire-to-Board Connector Contacts (328)

## Customers Also Bought



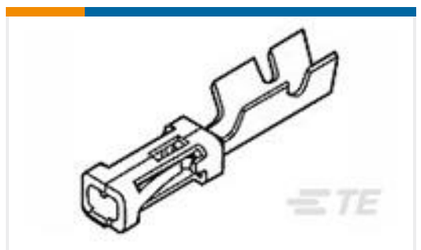
TE Part #169481-1
HANDTOOL (MOD-4)



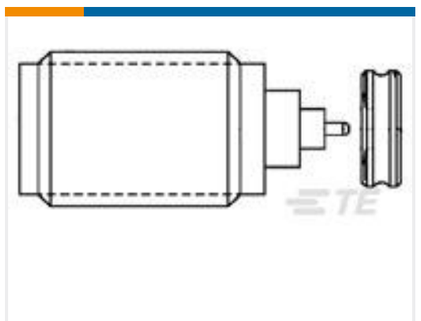
TE Part #0662-207-0482
CONT SOC ASSY



TE Part #1-5745172-3
AMPLI CBL CLMP KIT



TE Part #1-141708-2
MOD-4 REC.CONT.SCP.



TE Part #1053256-1
2058 5305 00



TE Part #YDTS26W13-35PNV001
D38999: Straight Plug, 13-35 Insert



TE Part #1823373-1
TIMER, CONNECTOR HOUSING



TE Part #179544-000
D-181-2222-90/9



TE Part #1-1579028-4
EXTRACTION TOOL

TE Part #1662-213-1631
CONT SOC ASSY

## Documents

## Product Drawings

36 MODIV HSG COMP DR .100 POL

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_3-87631-1_AN.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_3-87631-1_AN.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_3-87631-1_AN.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

Product Specification

English

## Agency Approvals

UL Report

English