



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                                                                                                            |
| Mechanical Attachment              |                                                                                                                  |
| Strain Relief                      | Without                                                                                                          |
| Mating Retention                   | Without                                                                                                          |
| Housing Features                   |                                                                                                                  |
| Housing Entry Configuration        | Both Ends Closed                                                                                                 |
| Housing Material                   | Thermoplastic                                                                                                    |
| Centerline (Pitch)                 | 2.54 mm[.1 in]                                                                                                   |
| Housing Color                      | Black                                                                                                            |
| Dimensions                         |                                                                                                                  |
| Connector Length                   | 15.23 mm[.6 in]                                                                                                  |
| Connector Height                   | 7.23 mm[.285 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                            | Contact Extraction/Lance Reset Tool No. 843996-3., No marking on this part number., When using this housing with |



AMP-LATCH Universal Headers, P/N 1825851-1 (Qty 2) must be purchased separately.

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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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                                                                                    |

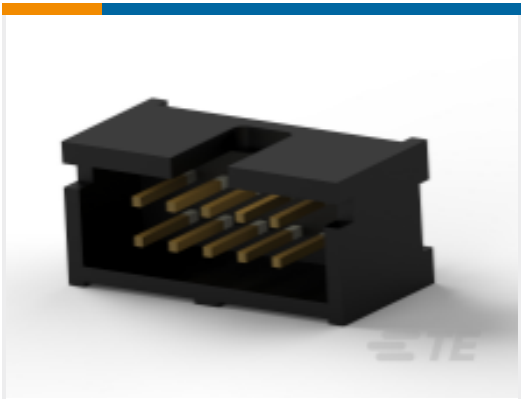
Product Compliance Disclaimer

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>

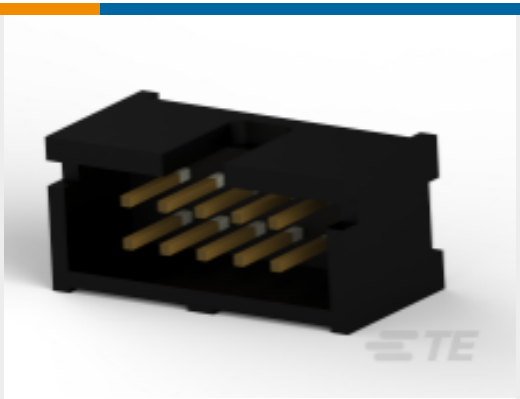
Compatible Parts



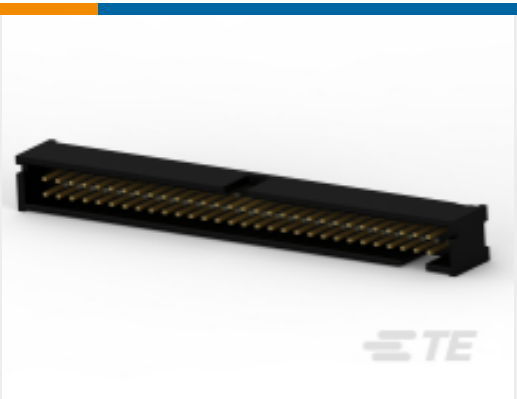
TE Part # 5103311-1  
A/L LOW PRO HDR 10P RA BLACK



TE Part # 5103310-1  
A/L LOW PRO HDR 10P RA BLACK



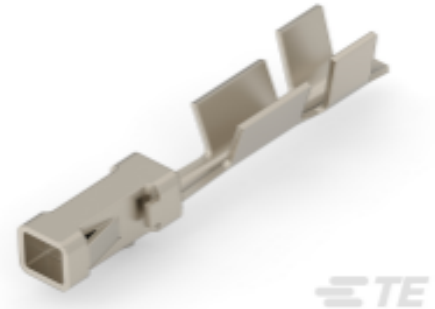
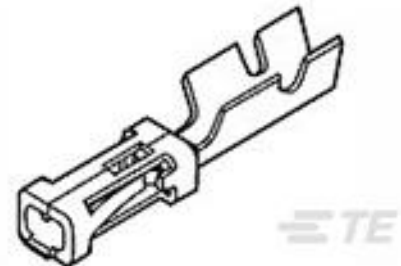
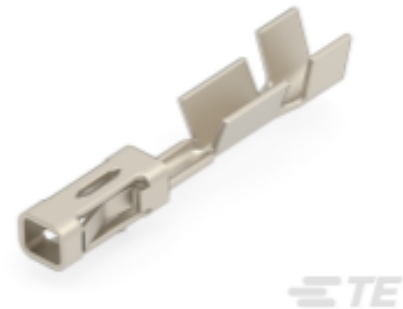
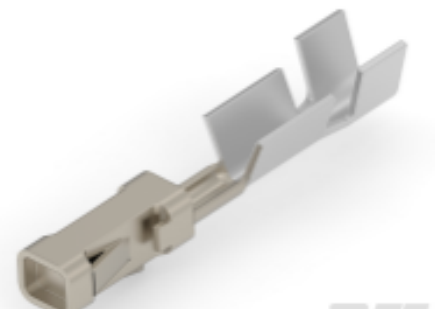
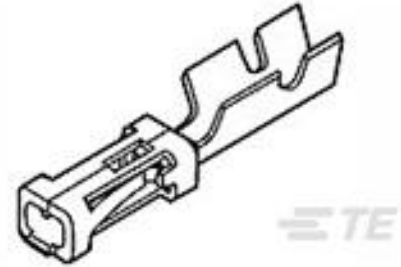
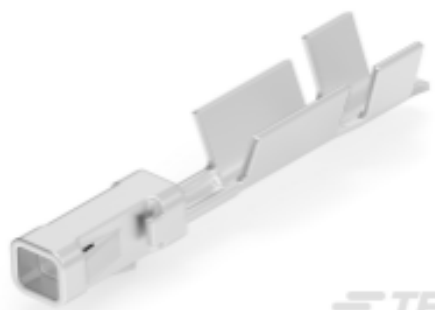
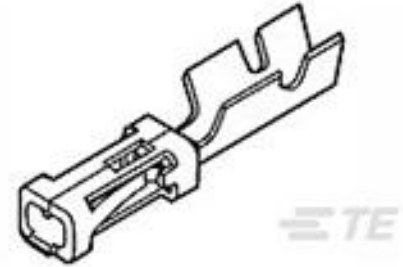
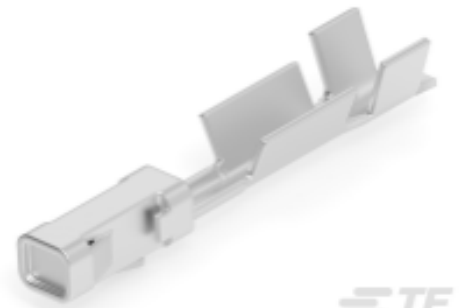
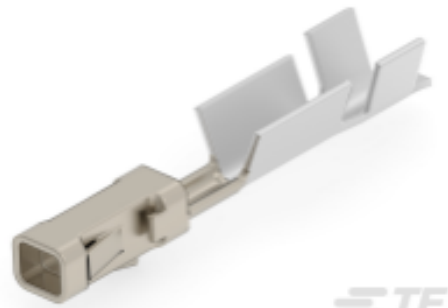
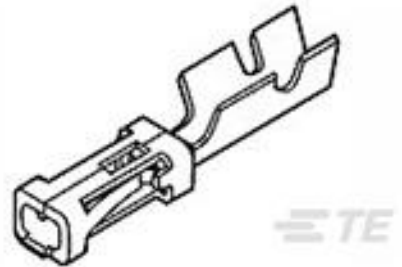
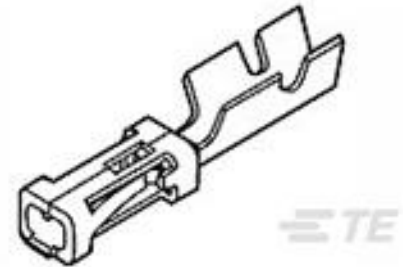
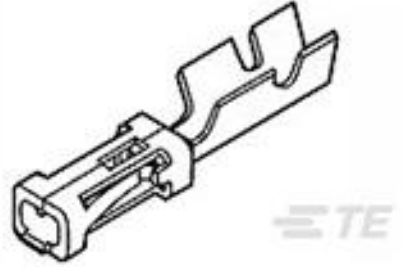
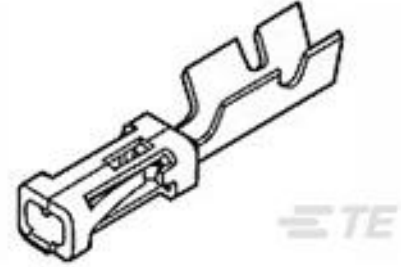
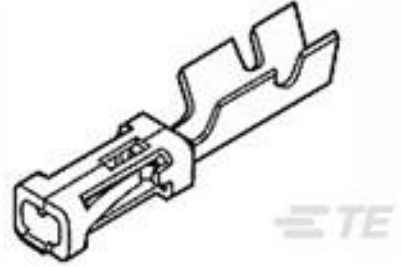
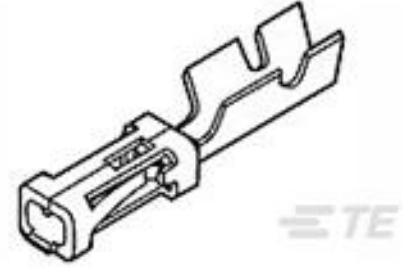
TE Part # 5103309-1  
A/L LOW PRO HDR 10P VERT BLACK



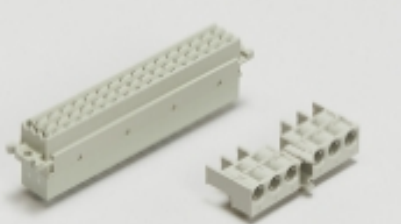
TE Part # 5103308-1  
A/L LOW PRO HDR 10P VERT BLACK





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|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <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 # 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 # 87523-5<br>MOD IV RECP PLTD SN              | <br>TE Part # 102548-5<br>MOD IV RECP PLTD 30 SEL    |
| <br>TE Part # 87309-8<br>MOD V RECP PLTD SN          | <br>TE Part # 2-87523-3<br>MOD IV RECP PLTD 15 DPLX     | <br>TE Part # 5-103171-4<br>MOD IV RECP PLTD 30 DPLX LF | <br>TE Part # 85969-8<br>MOD IV RECP PLTD 30 SEL   |
| <br>TE Part # 87666-3<br>MOD IV RECP PLTD SN         | <br>TE Part # 5-102920-1<br>MOD IV RECP PLTD 30 DPLX LF | <br>TE Part # 103455-1<br>MOD V RECP PLTD 30 AU         | <br>TE Part # 102316-6<br>MOD IV RECP PLTD 15 DPLX |

Also in the Series | AMPMODU IV/V

|                                                                                                               |                                                                                                                        |                                                                                                                               |                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <br>Automotive Housings(2) | <br>Backplane Connector Housings(1) | <br>Board-to-Board Connector Contacts(6) | <br>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 COMP DR .100 POL  
English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_102387-1\_AC.2d\_dxf.zip  
English  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_102387-1\_AC.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_102387-1\_AC.3d\_stp.zip  
English

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Datasheets & Catalog Pages

AMP MODU IV & V Section of Catalog 1307819

English

AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTION5\_CONT

English

1-1773720-9\_AMPMODU\_MOD\_IV\_V\_QRG

English

Product Specifications

Product Specification

English

Product Environmental Compliance

MD\_102387-1\_092420181311\_dmtec

English

MD\_102387-1\_092420181311\_dmtec

English