



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: **16**

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 | 16 |
| 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 Current Rating (Max) | 3 A    |

Termination Features



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

Mechanical Attachment

|                       |         |
|-----------------------|---------|
| Mating Retention Type | Lock    |
| Mating Retention      | Without |

Housing Features

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

Dimensions

|                    |                   |
|--------------------|-------------------|
| Connector Length   | 20.73 mm[.816 in] |
| Connector Height   | 7.62 mm[.3 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 | Power & 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 | 200 |
| Packaging Method   | Bag |

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)<br>Candidate List Declared Against: JUNE 2024 (241) |



Does not contain REACH SVHC

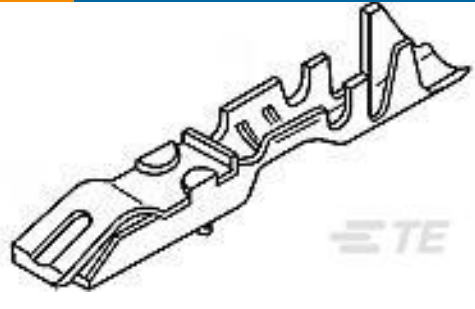
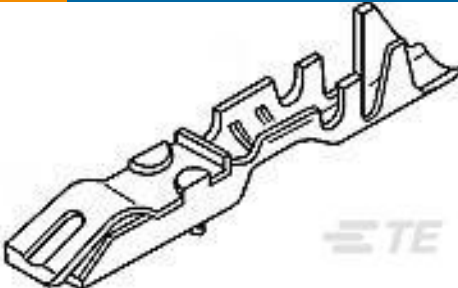
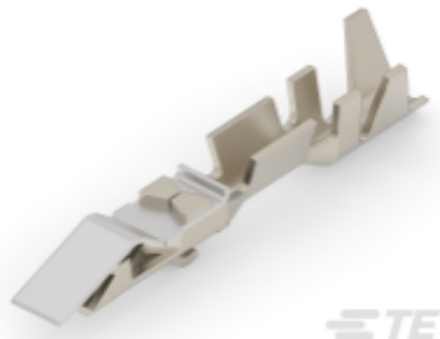
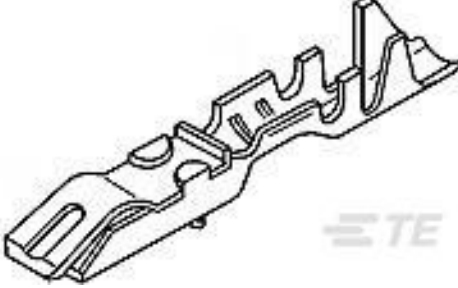
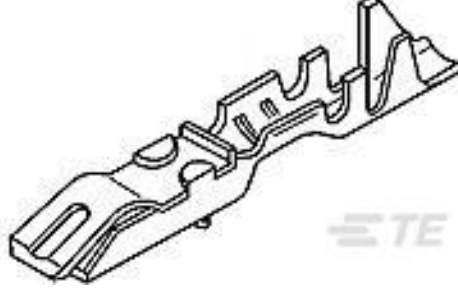
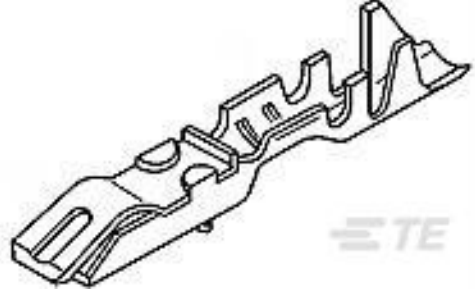
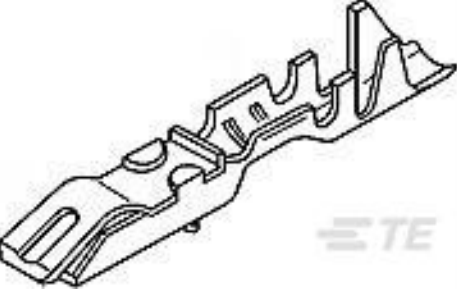
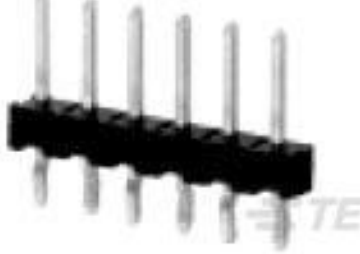
|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
|-----------------|-------------------------------------------------------------------------------------|

|                           |                                              |
|---------------------------|----------------------------------------------|
| 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>

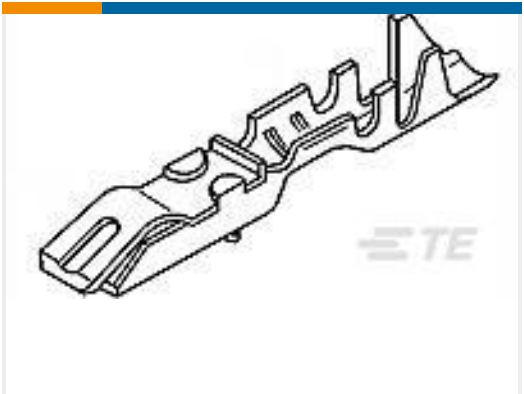
Compatible Parts

|                                                                                                                                                  |                                                                                                                                                 |                                                                                                                                                          |                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 5-87165-2<br/>LOCKING CLIP ASSY .025 SQ LP</p>  |  <p>TE Part # 87179-1<br/>LOCKING CLIP KEYING PLUG</p>       |  <p>TE Part # 87190-1<br/>LOCKING CLIP CONT ASSY .025 SQ</p>        |  <p>TE Part # 867052-2<br/>LOCKING CLIP CONT ASSY .025 SQ</p>  |
|  <p>TE Part # 5-87124-2<br/>LOCKING CLIP CONT ASY .025 SQ</p> |  <p>TE Part # 87124-1<br/>LOCKING CLIP CONT ASSY .025 SQ</p> |  <p>TE Part # 5-867052-1<br/>LOCKING CLIP CONT ASSY .025 SQ</p>     |  <p>TE Part # 5-87191-2<br/>LOCKING CLIP ASSY .025 SQ LP</p>   |
|  <p>TE Part # 87165-1<br/>LOCKING CLIP ASSY .025 SQ LP</p>    |  <p>TE Part # 87165-2<br/>LOCKING CLIP ASSY .025 SQ LP</p>   |  <p>TE Part # 5-147279-9<br/>16 MODII HDR DR SFMT B/A T&amp;R L</p> |  <p>TE Part # 5-146259-8<br/>16 MODII HDR DRST B/A .100 LF</p> |





TE Part # 5-102975-8  
16 MODII HDR DRRRA B/A .100CL



TE Part # 867052-1  
LOCKING CLIP CONT ASSY .025 SQ



TE Part # 87191-1  
LOCKING CLIP ASSY .025 SQ LP



TE Part # 5-103795-8  
16 MODII HDR DRRRA B/A .100CL



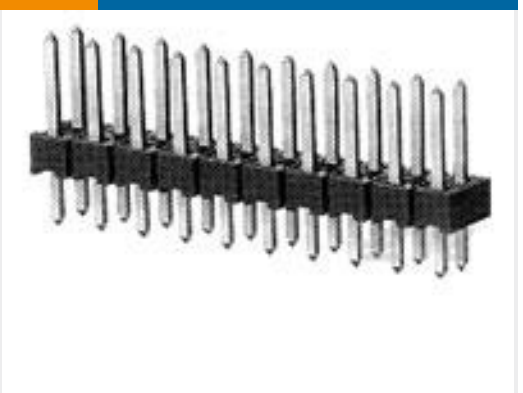
TE Part # 6-103326-8  
36 MODII HDR DRRRA B/A .100CL



TE Part # 6-103795-8  
36 MODII HDR DRRRA B/A .100CL



TE Part # 966754-8  
AMP MODU2 PINHEADER2X8P W. TUBE SMD



TE Part # 5-146255-8  
16 MODII HDR DRST B/A .100 LF

Also in the Series | AMPMODU LOCKING CLIP



Connector Contacts(7)



Connector Hardware(1)



Insertion & Extraction Tools(2)

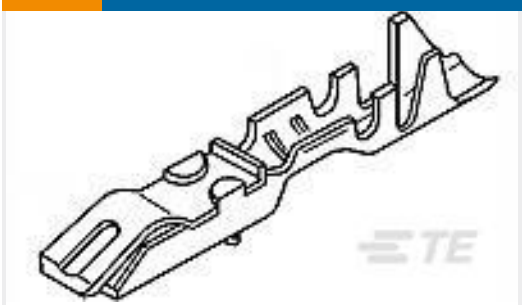


Wire-to-Board Connector Assemblies & Housings(83)

Customers Also Bought



TE Part #5747841-4  
15 MSFL PLUG RA 318 (IN,FM,BL)



TE Part #5-87165-2  
LOCKING CLIP ASSY .025 SQ LP



TE Part #1-2176512-5  
CJP 800W 33R 5% Lead



TE Part #2176512-3  
CJP 800W 3R3 5% Lead



TE Part #2176512-7  
CJP 800W 6R8 5% Lead



TE Part #ZPF00000000008899  
983-6SE 16-24 SN

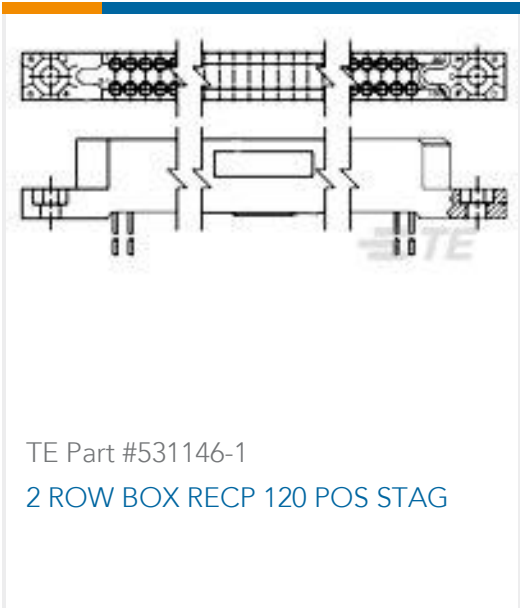


TE Part #214801-E  
EPSVA KS GDM3 TL 6 3,8 SN \* STROMVERSORG



TE Part #ZPF000000000121590  
983-6SE 14-04 SY





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-87133-4\_AB.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-87133-4\_AB.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-87133-4\_AB.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

Instruction Sheets

Instruction Sheet (U.S.)

English

AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts

English

Agency Approvals

UL

English