



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **8**

Number of Rows: **1**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Applied Pressure                  | Standard              |
| PCB Connector Assembly Type       | PCB Mount Receptacle  |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                              |          |
|------------------------------|----------|
| Stackable                    | No       |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 8        |
| Number of Rows               | 1        |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
|-----------------------|---------|

Body Features

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

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 1.27 μm[50 μin] |
| Contact Layout                                          | Inline          |



|                                                |                  |
|------------------------------------------------|------------------|
| Mating Tab Width                               | 1.58 mm[.062 in] |
| Mating Tab Thickness                           | .79 mm[.031 in]  |
| PCB Contact Termination Area Plating Material  | Gold Flash       |
| Contact Base Material                          | Phosphor Bronze  |
| Contact Mating Area Plating Material           | Gold             |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin]   |
| Contact Type                                   | Socket           |
| Contact Current Rating (Max)                   | 5 A              |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in]        |
| Rectangular Termination Post & Tail Width     | 1.02 mm[.04 in]       |
| Termination Post & Tail Length                | 2.85 mm[.112 in]      |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Mating Alignment        | Without     |
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |

Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Bottom           |
| Centerline (Pitch)    | 3.96 mm[.156 in] |
| Housing Material      | PA66             |

Dimensions

|                             |                              |
|-----------------------------|------------------------------|
| Connector Height            | 2.85 mm[.112 in]             |
| PCB Thickness (Recommended) | 1.4 – 1.78 mm[.055 – .07 in] |

Usage Conditions

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

Operation/Application

|                          |        |
|--------------------------|--------|
| Assembly Process Feature | None   |
| Circuit Application      | Signal |

Industry Standards

|                                             |                        |
|---------------------------------------------|------------------------|
| Compatible With Approved Standards Products | CSA LR16455, UL E28476 |
|---------------------------------------------|------------------------|



UL Flammability Rating

UL 94V-0

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 15   |
| Packaging Method   | Tube |

Product Compliance

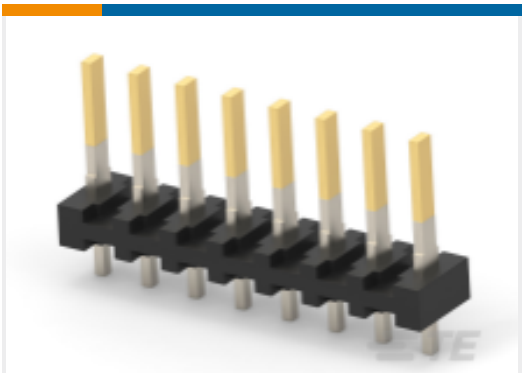
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 240°C                                                                                                    |

Product Compliance Disclaimer

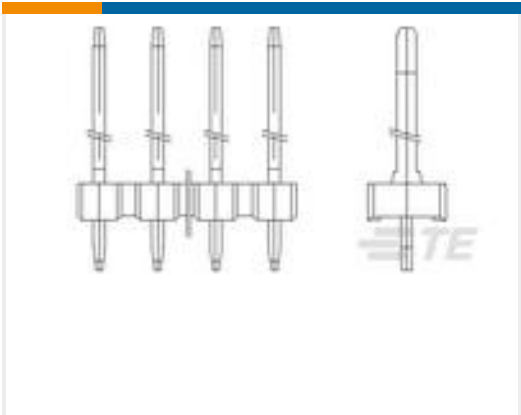
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

|                                                                                                                                                |                                                                                                                                               |                                                                                                                                                |                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>TE Part # 1-87258-0<br/>10 MOD1 HDR SRRA .156CL</div> |  <div>TE Part # 85829-8<br/>08 MOD1 HDR SRST .156CL</div> |  <div>TE Part # 87247-8<br/>08 MOD1 HDR SRST .156CL</div> |  <div>TE Part # 1-827872-5<br/>15P MOD1 UNSHRD HDR, P 5.08, ST, 0.8 Au</div> |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|



TE Part # 1-87632-2  
12 MOD1 HDR SRRA .156CL



TE Part # 3-826539-5  
35P MOD 1 UNSHROUDED HEADER, ST, 0.8 Au



TE Part # 85839-8  
08 MOD1 HDR SRST .156CL



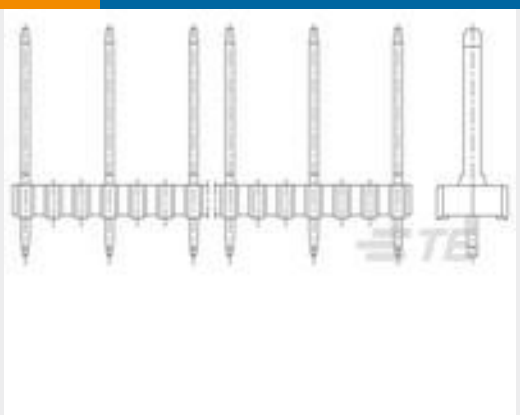
TE Part # 87258-8  
08 MOD1 HDR SRRA .156CL



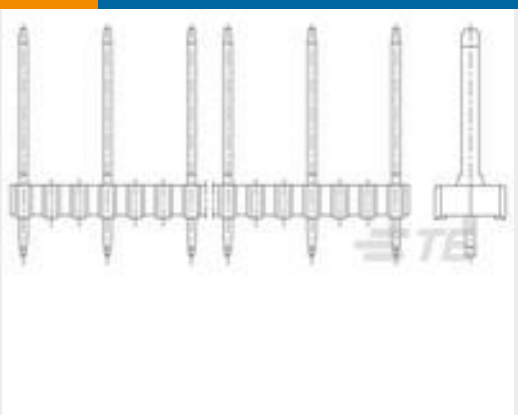
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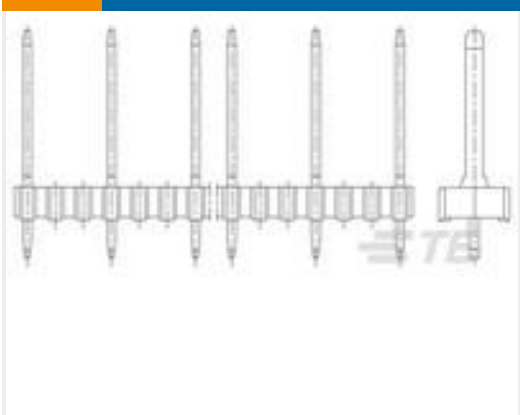
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08 MOD1 HDR SRST .156CL



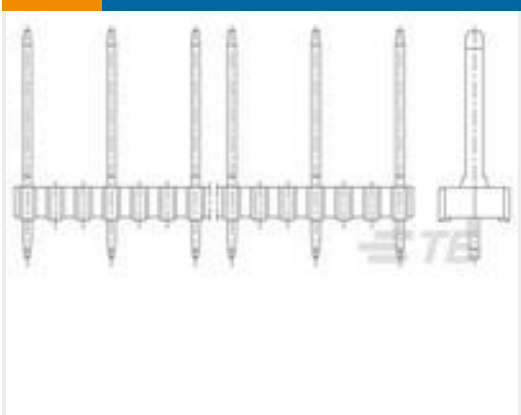
TE Part # 1-827235-1  
11P MOD1 STIFTLEIST



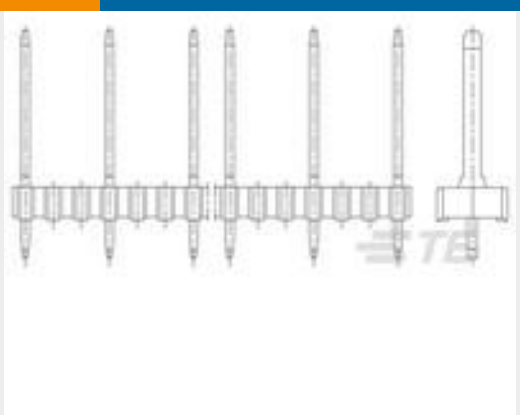
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12P MOD1 STIFTLEIST



TE Part # 1-827235-4  
14P MOD1 STIFTLEIST

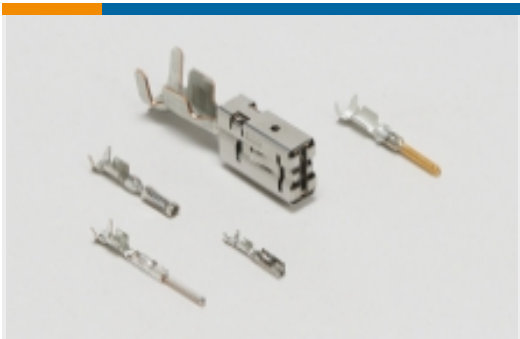


TE Part # 1-827235-5  
15P MOD1 STIFTLEIST



TE Part # 827235-8  
8P MOD1 STIFTLEIST

Also in the Series | AMPMODU MOD 1



Automotive Terminals(4)



Board-to-Board Jumpers & Shunts(5)



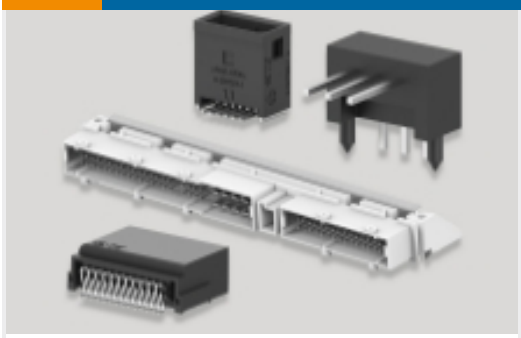
Connector Contacts(106)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(341)



Wire-to-Board Connector Assemblies & Housings(20)

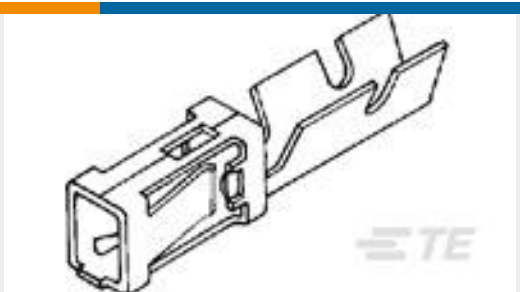
Customers Also Bought



TE Part #3-2176231-2  
3522 200R 1% 3W



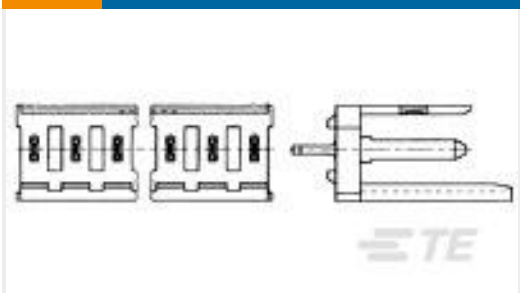
TE Part #7-2176070-0  
3521 7K5 1% 2W



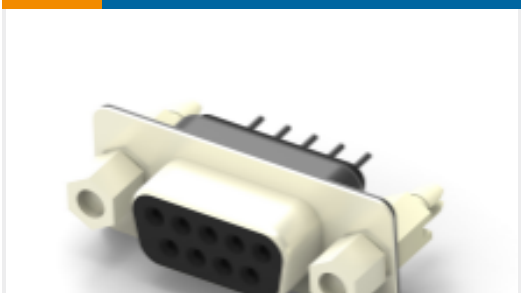
TE Part #182198-1  
MOD 1 CONTACT



TE Part #280590  
AMPMODU MOD I REC HOUSING



TE Part #280615-1  
02P MOD 1 ASSY.



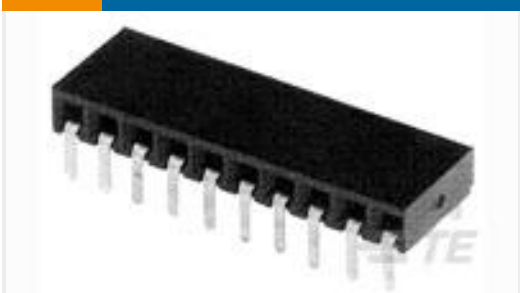
TE Part #2301838-2  
AMPL REC HD20, VERT, 9P, B/L, 4-40 S /LOCK



TE Part #8-2176390-1  
RQ 1206 7K87 0.1% 10PPM 5K RL



TE Part #2371882-1  
AMPSEAL Receptacle Housings



TE Part #216602-6  
6P HV190 FEDERLEIS

Documents

Product Drawings

08 MODI BDMNT RCPT SR .156CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_87984-8\_N.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_87984-8\_N.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_87984-8\_N.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

87984-8

PCB Mount Receptacle, Vertical, Board-to-Board, 8 Position, 3.96 mm [.156 in]  
Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU MOD 1



Product Specification

English