



Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **10**

Number of Rows: **2**

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(120\)](#)

Features

Mechanical Attachment

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

Contact Features

|                                                |              |
|------------------------------------------------|--------------|
| Contact Mating Area Plating Material Finish    | Matte        |
| Contact Mating Area Plating Material Thickness | 2 μm[80 μin] |
| Contact Mating Area Plating Material           | Tin          |
| Contact Type                                   | Pin          |
| Contact Current Rating (Max)                   | 15 A         |



Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Polyester GF    |
| Centerline (Pitch) | 3.81 mm[.15 in] |

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |            |
|-----------------------|------------|
| PCB Mount Orientation | Horizontal |
| Number of Positions   | 10         |
| Number of Rows        | 2          |

Body Features

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

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |           |
|------------------|-----------|
| Packaging Method | Tube, Box |
|------------------|-----------|

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 265°C                                                                                                    |

Product Compliance Disclaimer

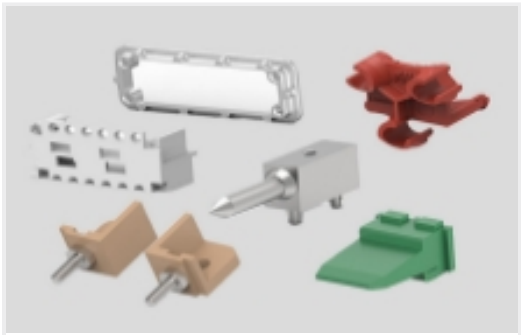
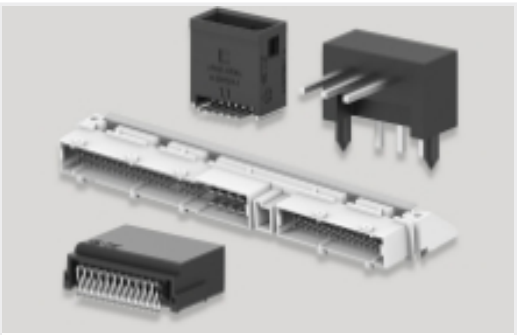
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

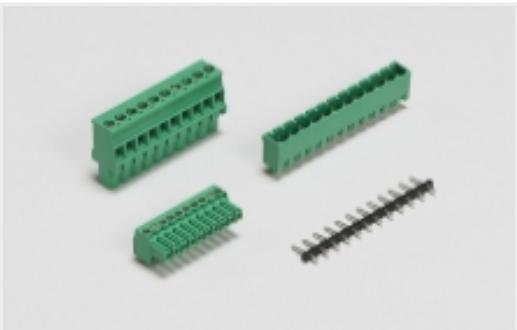
Compatible Parts



TE Part # 178289-5  
3.81 DYNAMIC REC HSG 10P D--D

Also in the Series | Dynamic 3000 Series

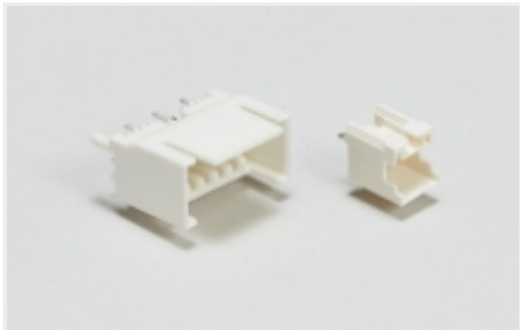
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|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Contacts(94)</p> |  <p>Connector Hardware(8)</p> |  <p>Insertion &amp; Extraction Tools(2)</p> |  <p>PCB Headers &amp; Receptacles(282)</p> |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|



PCB Terminal Blocks(37)

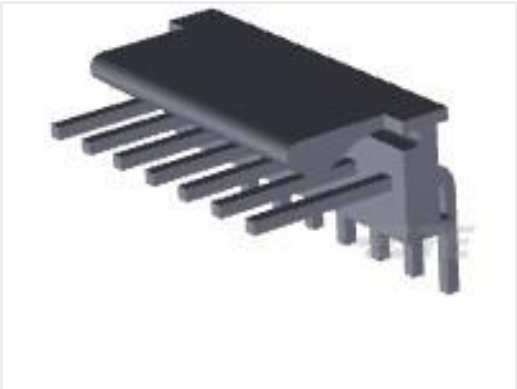


Power Contacts(94)



Wire-to-Board Headers & Receptacles (282)

Customers Also Bought



TE Part #640457-7  
07P MTA100 HDR ASSY SQ R/A F/L



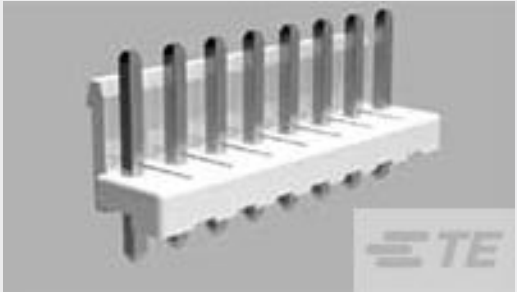
TE Part #1376135-2  
DYNAMIC D2100 HDR H ASSY 3P Y



TE Part #CAT-D9934-A75E  
Header Assembly: Wire-to-Board, 15A, gold or tin plated



TE Part #1379217-3  
5POS MIXED MQS REC COD Z



TE Part #1-1123723-8  
3.96 EP HDR ASSY 8P(NATURAL)



TE Part #1674954-1  
SHIELD FINGER 2026 WITH TAPE



TE Part #1-1123724-3  
3.96EP HDR ASSY 3(5)P NATURAL

Documents

Product Drawings

DYNAMIC D3100D HDR H 10P ASSY SN

English

CAD Files

Customer View Model

ENG\_CVM\_178305-5\_C1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_178305-5\_C1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_178305-5\_C1.3d\_stp.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



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**Product Specifications**

[Product Specification](#)

English

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**Agency Approvals**

[TUV Certificate](#)

English