

3-178139-5 ✓ ACTIVE

[Dynamic Series](#) | [Dynamic 3000 Series](#)

TE Internal #: 3-178139-5

PCB Mount Header, Horizontal, Wire-to-Board, 6 Position, 5.08 mm  
[.2 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder,  
Dynamic 3000 Series

[View on TE.com >](#)



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



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

Number of Positions: **6**

Number of Rows: **2**

Centerline (Pitch): **5.08 mm [.2 in]**

PCB Mount Orientation: **Horizontal**

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(134\)](#)

## Features

### Product Type Features

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

### Configuration Features

|                       |            |
|-----------------------|------------|
| Number of Positions   | 6          |
| Number of Rows        | 2          |
| PCB Mount Orientation | Horizontal |

### Body Features

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

### Contact Features



|  |              |
|--|--------------|
| Contact Mating Area Plating Material Thickness | 2 µm[80 µin] |
| Contact Mating Area Plating Material Finish    | Matte        |
| Contact Mating Area Plating Material           | Tin          |
| Contact Type                                   | Pin          |
| Contact Current Rating (Max)                   | 8 A          |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

### Mechanical Attachment

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

### Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Polyester GF    |
| Centerline (Pitch) | 5.08 mm [.2 in] |

### Usage Conditions

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

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

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

### Packaging Features

|                  |      |
|------------------|------|
| 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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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

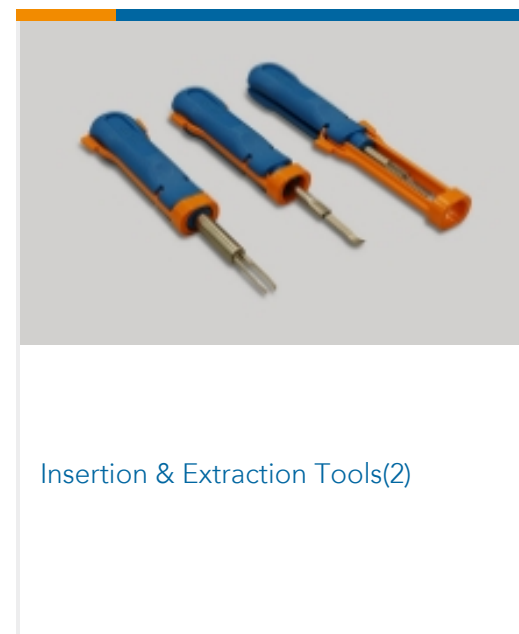
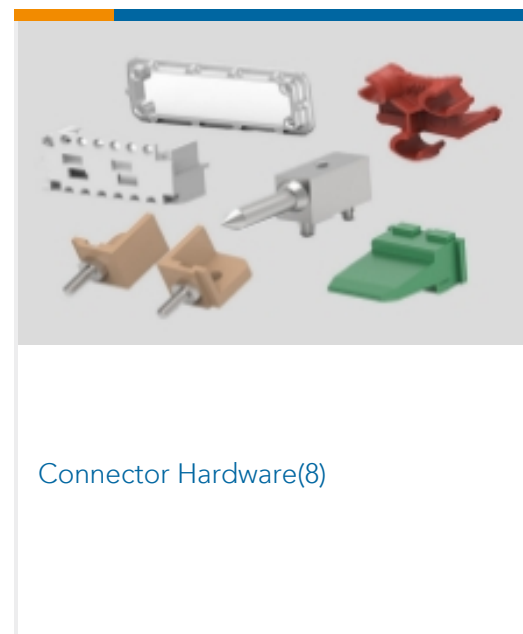
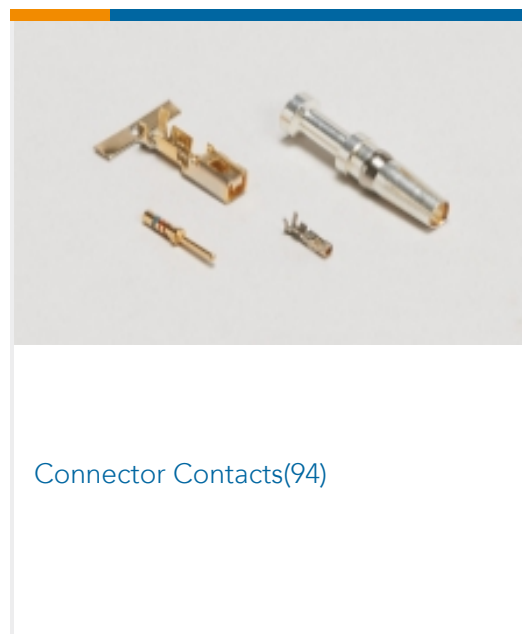
Product Compliance Disclaimer

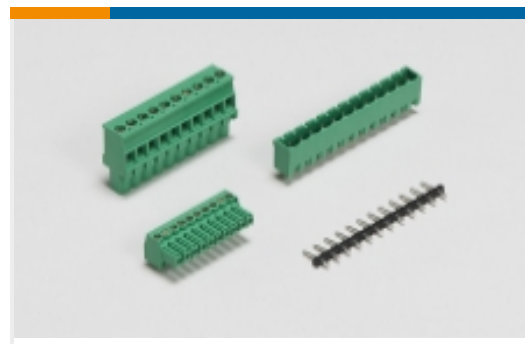
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



## Also in the Series | Dynamic 3000 Series

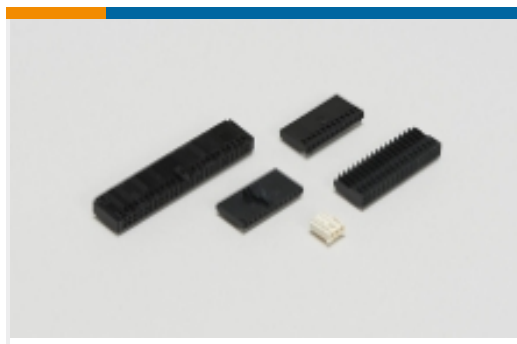




PCB Terminal Blocks(25)

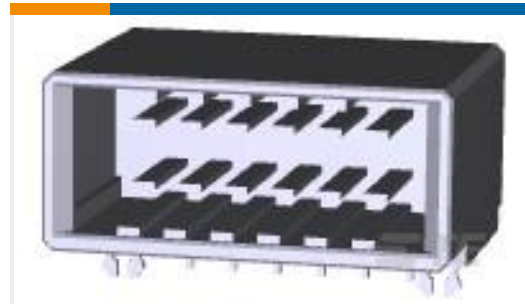


Standard Rectangular Connectors(2)

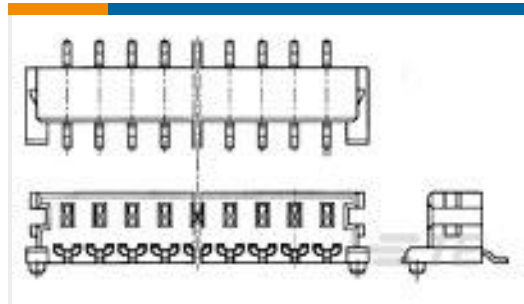


Wire-to-Board Connector Assemblies & Housings(152)

## Customers Also Bought



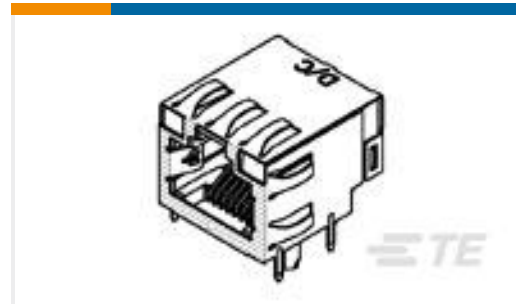
TE Part #178306-5  
DYNAMIC D3100 HDR ASSY 12P H



TE Part #7-917570-2  
1.5 B-T-W HDR ASSY 12P W/O BOS



TE Part #170892-4  
187 FASTON HSG.,REC.,NATURAL



TE Part #1827585-1  
RJ45 MODULAR JACK ASSY H 8P



TE Part #1-2394032-2  
HD-20 RCPT 9P SMT UNC 4-40 THD,  
W/O STUD



TE Part #1-2394033-2  
HD-20 PLUG 9P SMT UNC 4-40 THD,  
W/O STUD



TE Part #2-1721066-7  
PCN-105L3MHZ



TE Part #1981712-1  
Packaging Kit for D3100

## Documents

### Product Drawings

[DYNAMIC 3200 HDR H 6P ASSY](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-178139-5\\_J.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-178139-5\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-178139-5\\_J.3d\\_stp.zip](#)

English

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



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### Datasheets & Catalog Pages

[1-1773732-4\\_DYNAMIC\\_SERIES\\_CATALOG\\_ENGLISH](#)

Japanese

[1-1773732-4\\_DYNAMIC\\_SERIES\\_CATALOG\\_ENGLISH](#)

English

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### Product Specifications

[Product Specification](#)

English

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### Agency Approvals

[TUV Certificate](#)

English