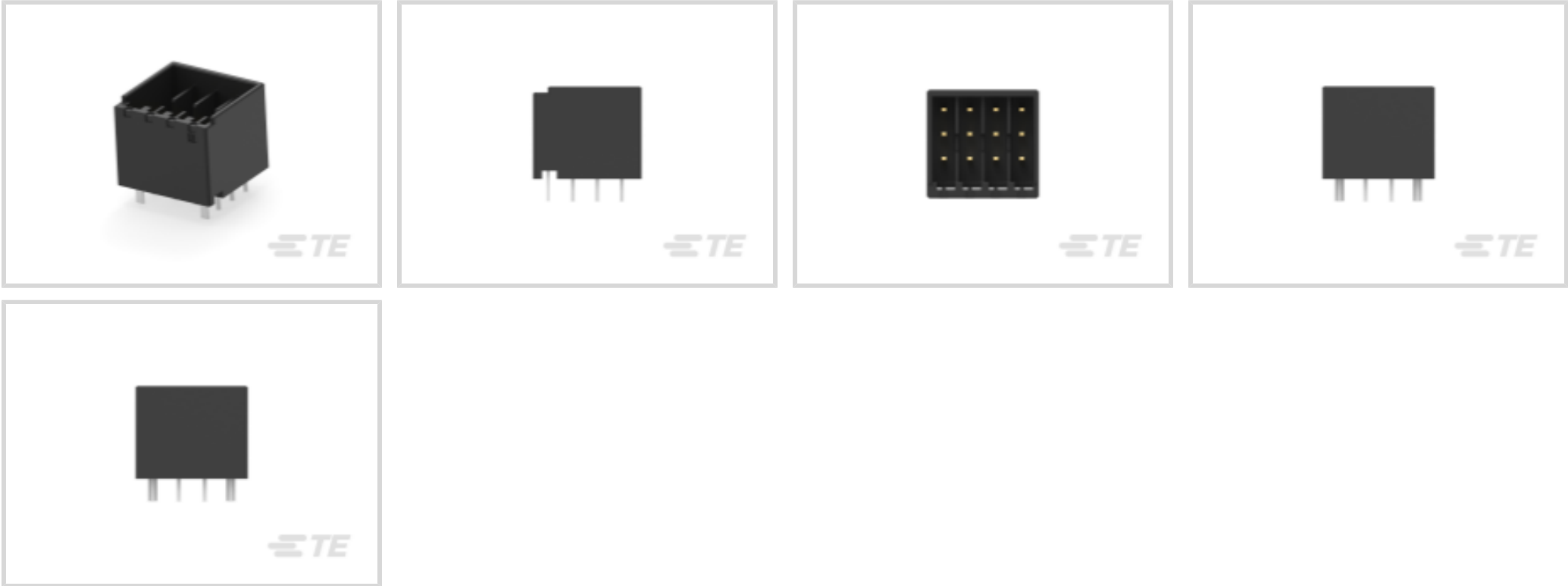




Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 5A, Gold Plated



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical

Connector System: Wire-to-Board

Number of Positions: 12

Centerline (Pitch): 3.5 mm [.137 in]

All Header Assembly: Wire-to-Board, 5A, Gold Plated (5)

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 12       |
| Number of Rows        | 3        |

Body Features

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

Contact Features



|                                                         |                 |
|---------------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Underplating Material                           | Nickel          |
| Contact Base Material                                   | Copper Alloy    |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material                    | Gold (Au)       |
| Contact Mating Area Plating Material Thickness          | .381 µm[15 µin] |
| Contact Type                                            | Pin             |
| Contact Current Rating (Max)                            | 5 A             |
| PCB Contact Termination Area Plating Material           | Tin             |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |                            |
|--------------------|----------------------------|
| Centerline (Pitch) | 3.5 mm[.137 in]            |
| Housing Material   | Thermoplastic Polyester GF |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F]             |
| 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 Quantity | 30        |
| Packaging Method   | Box, 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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

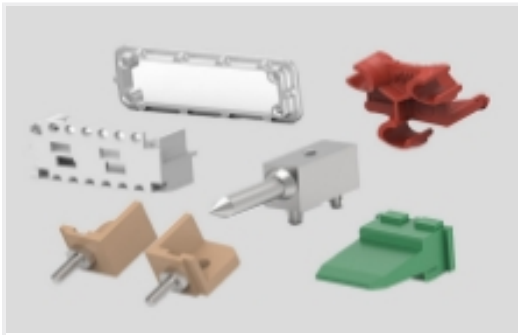


TE Part # 1-2069029-4  
DYNAMIC 1500T REC HSG 12P X  
BLACK

Also in the Series | Dynamic 1000 Series



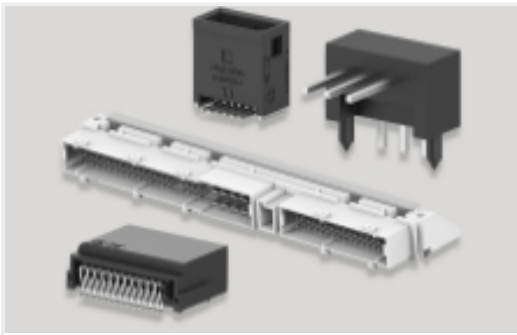
Connector Contacts(40)



Connector Hardware(3)



Insertion & Extraction Tools(2)



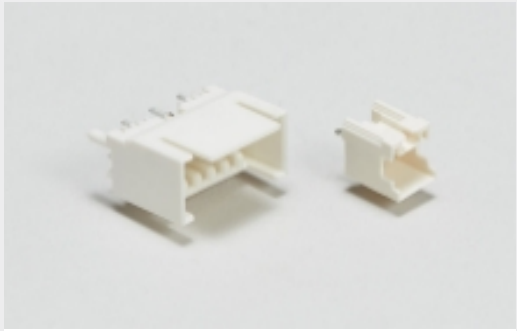
PCB Headers & Receptacles(171)



Power Contacts(9)



Rectangular Power Connectors(130)



Wire-to-Board Headers & Receptacles (171)

Customers Also Bought



TE Part #171825-2  
2 POS EIS POST HDR



TE Part #171825-5  
5 POS EIS POST HDR



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



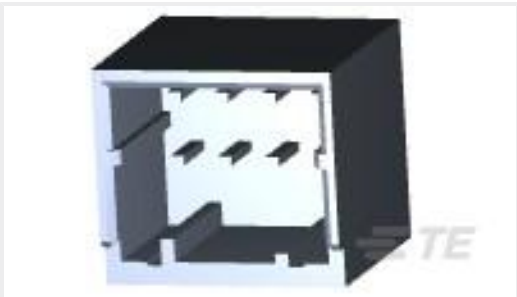
TE Part #1473565-4  
RITS CONN.HDR ASSY 4P



TE Part #1473565-6  
RITS CONN.HDR ASSY 6P



TE Part #CAT-D9934-A15E  
Header Assembly: Wire-to-Board, 3A, Gold or Tin Plated



TE Part #1-1827875-4  
DYNAMIC 1200D HDR ASSY V 8P X BLACK GOLD

Documents

Product Drawings  
DYNAMIC 1500T HDR ASSY V 12PX BLACK GOLD

Japanese

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_1-1827581-4\_C.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1827581-4\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1827581-4\\_C.3d\\_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English

[UL](#)

English