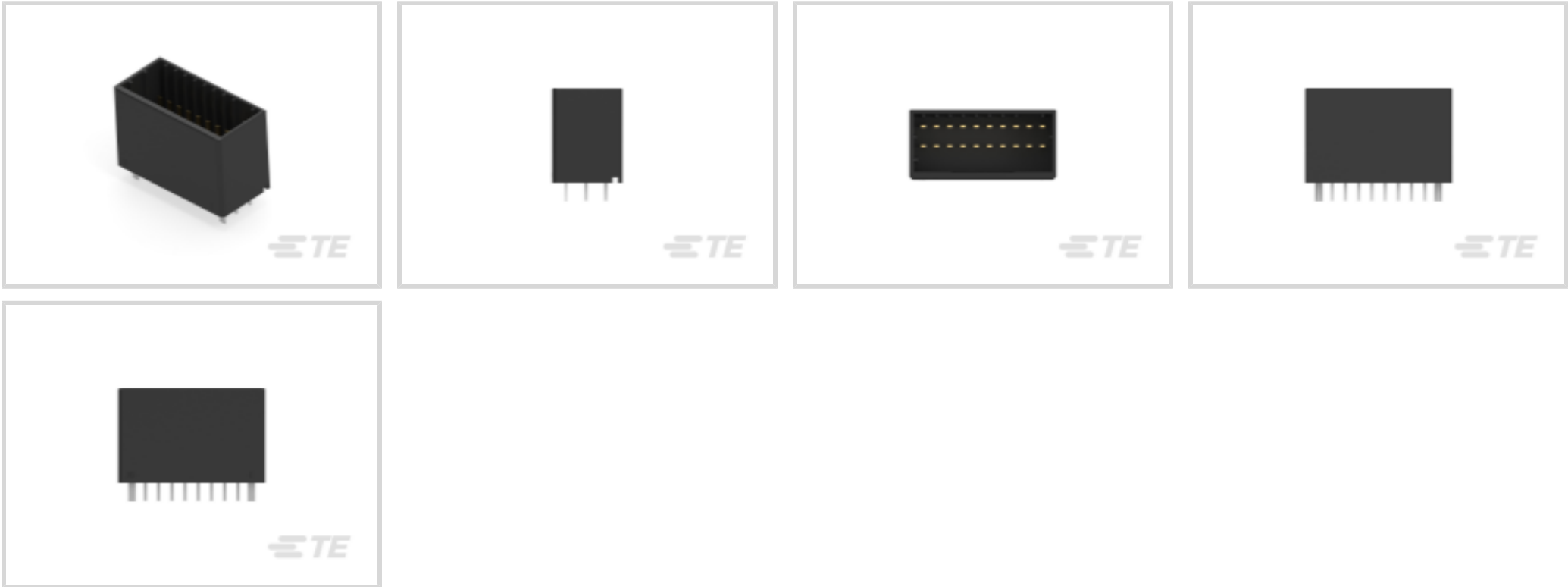




Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 5A, gold plated



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

Number of Positions: **20**

Number of Rows: **2**

Centerline (Pitch): **2.5 mm [ .099 in ]**

PCB Mount Orientation: **Vertical**

[All Header Assembly: Wire-to-Board, 5A, gold plated \(44\)](#)

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   | 20       |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                                        |                 |
|----------------------------------------|-----------------|
| PCB Retention Feature Material         | Brass           |
| PCB Retention Feature Plating Material | Tin over Nickel |
| Connector & Keying Code                | Y               |
| Primary Product Color                  | Black           |

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Mating Area Length                     | 6.25 mm[.246 in] |
| Contact Layout                                 | Matrix           |
| Mating Tab Thickness                           | .5 mm[.019 in]   |
| Contact Mating Area Plating Material Thickness | .38 µm[15 µin]   |
| Contact Shape & Form                           | Rectangular      |
| Contact Underplating Material                  | Nickel           |
| PCB Contact Termination Area Plating Material  | Tin              |
| Contact Base Material                          | Copper Alloy     |
| Contact Mating Area Plating Material           | Gold             |
| Contact Type                                   | Tab              |
| Contact Current Rating (Max)                   | 5 A              |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.4 mm[.134 in]       |
| Termination Method to PCB      | 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) | 2.5 mm[.099 in] |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|



|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 3.75 mm[.147 in] |
|--------------------|------------------|

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 | 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 | 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                                                                                                    |

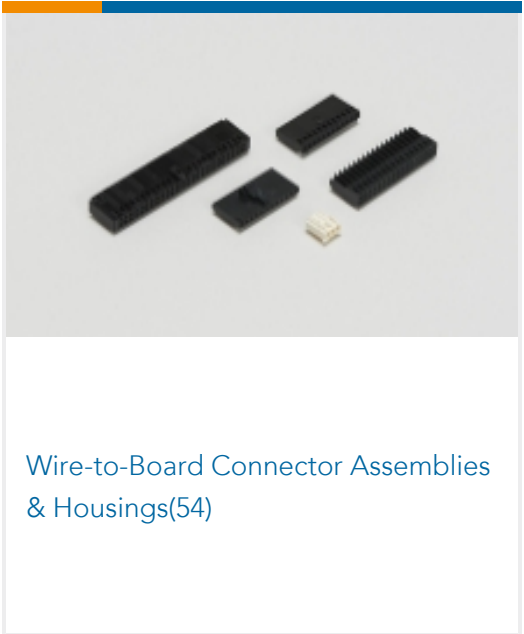
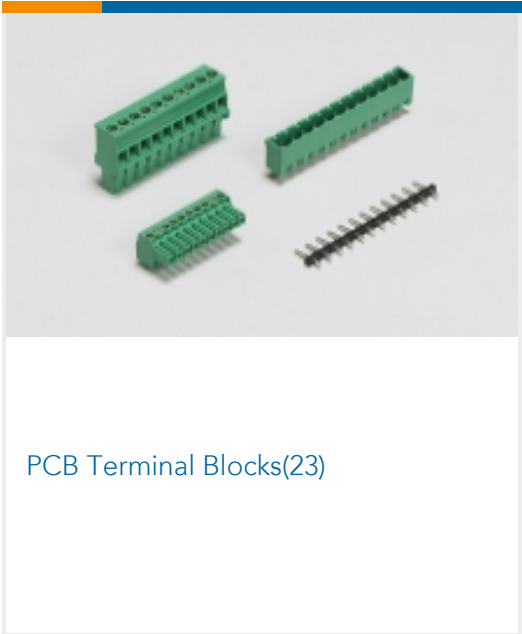
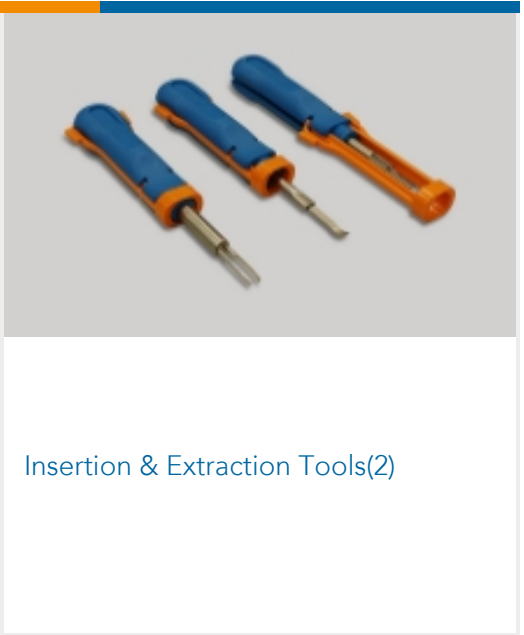
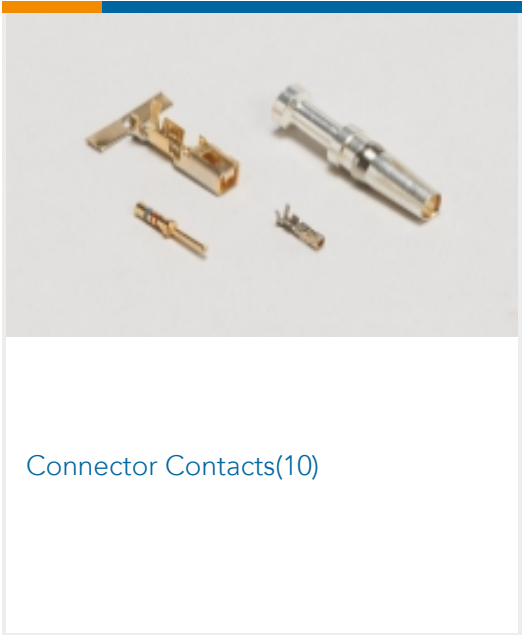
Product Compliance Disclaimer

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



Also in the Series | Dynamic 2000 Series



Customers Also Bought



Documents

Product Drawings  
DYNAMIC D2100 HDR V ASSY 20P

English

CAD Files  
3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_1318127-2\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1318127-2\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1318127-2\\_E.3d\\_stp.zip](#)

English

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

Product Specifications

[Dynamic Connector D-2000 Series](#)

Japanese

Application Specification

Japanese

Agency Approvals

[Agency Approval Document](#)

English