



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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **4**

Number of Rows: **1**

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

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 | Horizontal |
| Number of Positions   | 4          |
| Number of Rows        | 1          |

Body Features

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

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 (Sn)     |
| Contact Type                                   | Pin          |
| Contact Current Rating (Max)                   | 8 A          |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Polyester GF    |
| Centerline (Pitch) | 3.81 mm[.15 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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>

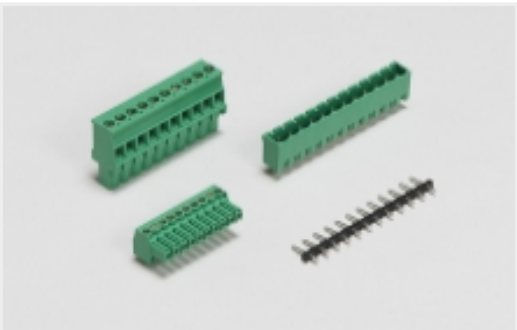
Compatible Parts

TE Part # 2-178288-4  
DYNAMIC 3100 REC HSG 4P BLACK

Also in the Series | Dynamic 3000 Series

|                        |                       |                                 |                                |
|------------------------|-----------------------|---------------------------------|--------------------------------|
|                        |                       |                                 |                                |
| Connector Contacts(94) | Connector Hardware(8) | Insertion & Extraction Tools(2) | PCB Headers & Receptacles(290) |





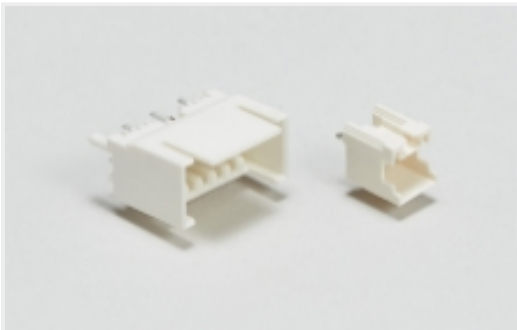
PCB Terminal Blocks(27)



Power Contacts(94)

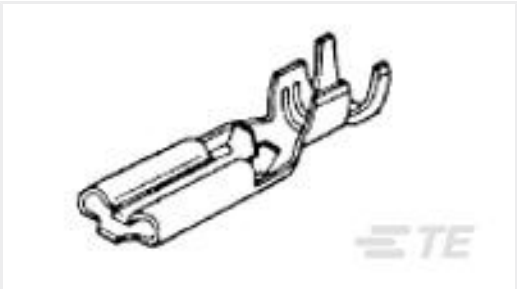


Rectangular Power Connectors(386)



Wire-to-Board Headers & Receptacles (290)

Customers Also Bought



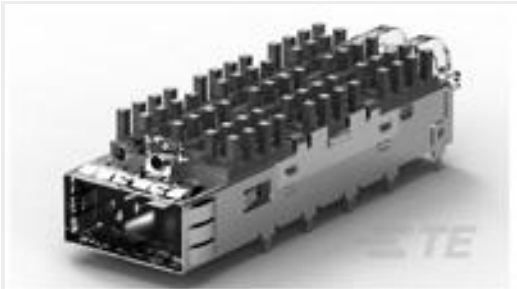
TE Part #175412-1  
PL 110 REC 24-20 AWG 0.25 X 10.4  
PTBR



TE Part #66109-1  
III+ SKT,26-24,30AU>10,LP



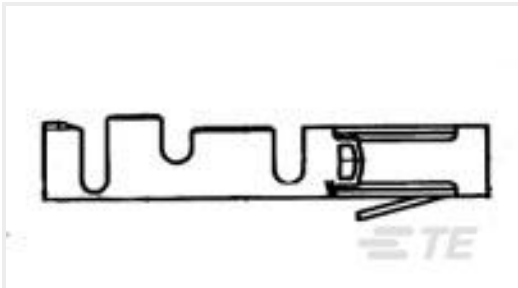
TE Part #172487-3  
EIS POST HDR V 3P



TE Part #1888971-1  
Cage Assy Thru Bezelw/LP San, QSFP



TE Part #2-2301994-3  
RJ45 JACK INT.MAG. 1GB LED 1X1



TE Part #172788-1  
MOD-2 SNAP-IN REC CONT. FORM



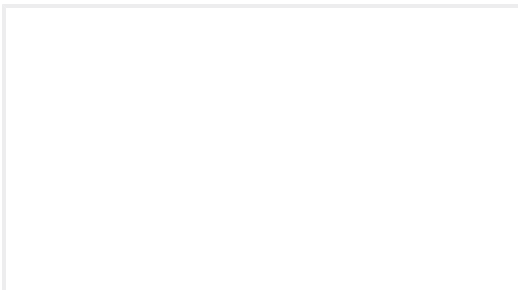
TE Part #5-2176430-6  
MPT35 100R 1%



TE Part #1-66103-9  
III+ PIN,24-20,TIN,SMPACK



TE Part #6648335-1  
CONTACT,SKT



TE Part #2-1971030-2  
2POS Plug Housing for GIC 2.0 EV

Documents

Product Drawings

DYNAMIC D3100 HDR ASSY 4P H K/Y

English

CAD Files

Customer View Model

ENG\_CVM\_2-178294-5\_B1.3d\_igs.zip

English

Customer View Model



[ENG\\_CVM\\_2-178294-5\\_B1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_2-178294-5\\_B1.2d\\_dxf.zip](#)

English

3D PDF

English

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

Product Specifications

Product Specification

English

Agency Approvals

TUV Certificate

English