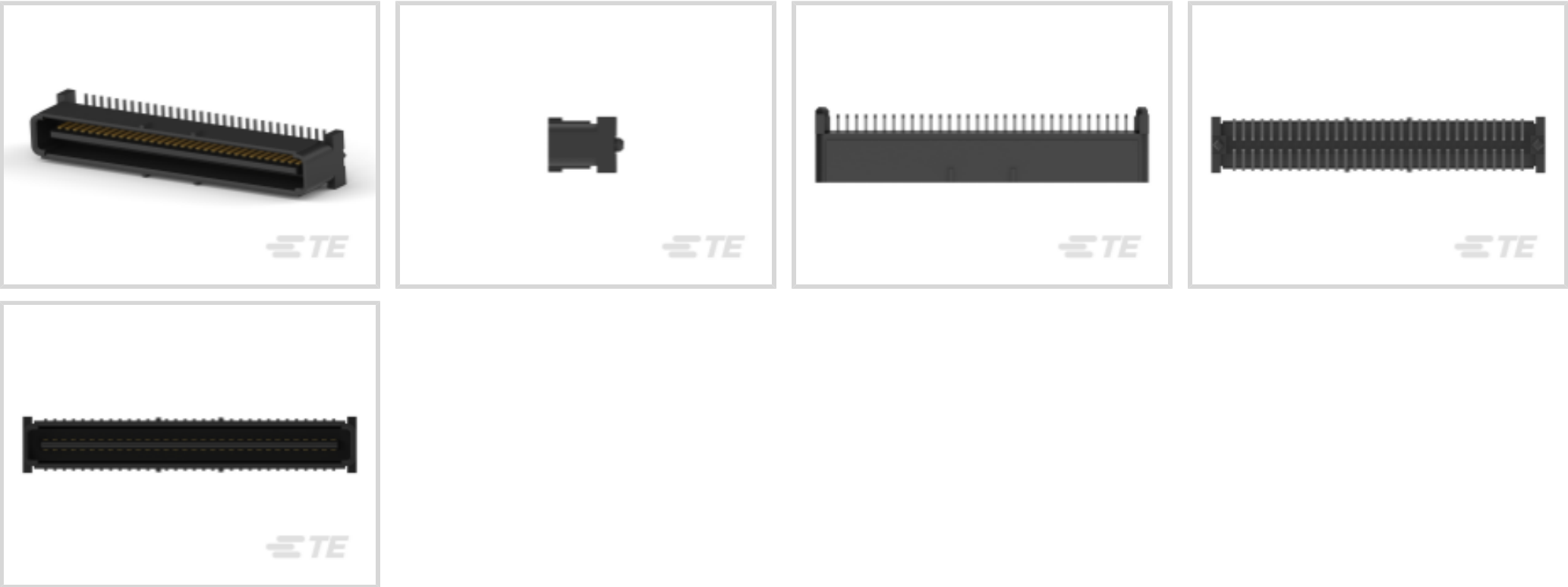




Free Height

TE Internal #: 120526-1  
PCB Mount Header, Vertical, Board-to-Board, 64 Position, 1 mm [.039 in] Centerline, Fully Shrouded, Gold, Surface Mount, Black, Free Height  
[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **64**  
Centerline (Pitch): **1 mm [ .039 in ]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                              |          |
|------------------------------|----------|
| Number of Columns            | 32       |
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 64       |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 2 MΩ    |
| Operating Voltage     | 250 VAC |

Signal Characteristics



|                        |     |
|------------------------|-----|
| Differential Signaling | Yes |
|------------------------|-----|

Body Features

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

Contact Features

|   |                  |
|---|------------------|
| Contact Mating Area Length                              | 2 mm             |
| PCB Contact Termination Area Plating Material Thickness | 3.81 μm[150 μin] |
| Contact Layout  | Inline           |
| Mating Tab Width  | .63 mm[.024 in]  |
| Mating Tab Thickness                                    | .2 mm[.008 in]   |
| Contact Underplating Material Thickness                 | 1.27 μm[50 μin]  |
| PCB Contact Termination Area Plating Material Finish    | Matte            |
| Contact Shape & Form                                    | Single Beam      |
| PCB Contact Termination Area Plating Material           | Tin-Lead         |
| Contact Base Material                                   | Phosphor Bronze  |
| Contact Mating Area Plating Material                    | Gold             |
|   | 29.9212 μin      |
| Contact Type  | Pin              |
| Contact Current Rating (Max)                            | 1 A              |

Termination Features

|   |                |
|---|----------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Rectangular Termination Post & Tail Width     | .3 mm[.011 in] |
| Termination Method to Printed Circuit Board   | Surface Mount  |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Mating Retention         | Without        |
| PCB Mount Retention Type | None           |
| Mating Alignment         | Without        |
| Mating Alignment Type    | None           |
| PCB Mount Retention      | Without        |
| PCB Mount Alignment      | With           |

Housing Features

|                       |     |
|-----------------------|-----|
| Mating Entry Location | Top |
|-----------------------|-----|



|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 1 mm[.039 in] |
| Housing Material   | Matte         |

Dimensions

|                  |                             |
|------------------|-----------------------------|
| Connector Length | 34.22 mm[1.347 in]          |
| Connector Height | 7.35 mm[.289 in]            |
| Connector Width  | 3.81 mm[150 in]             |
| Stack Height     | 9 mm, 11 mm, 14 mm[.551 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 110 °C[-67 – 230 °F] |
|-----------------------------|----------------------------|

Industry Standards

|   |                       |
|---|-----------------------|
| UL Rating                                   | Listed                |
| Compatible With Agency/Standards Products   | CSA, UL               |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| Industry Standard                           | IEEE 1386             |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 450         |
| Packaging Method   | Tape & Reel |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Not Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |
| Solder Process Capability                     | Reflow solder capable to 260°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 # CAT-314-RCB64  
Free Height Receptacle Conn: Board-Board, Vertical, 64, 1mm

TE Part # CAT-314-PCB64  
Free Height Plug Connector: Board-Board, Vertical, 64, 1mm

Also in the Series | Free Height

PCB Headers & Receptacles(758)

Customers Also Bought

TE Part #120534-1  
1FHP,64,30A/P,N,C,S10,12,13,15

TE Part #6-1625868-4  
RP 2A 0.25W 24R3 0.1% 25PPM 1K RL

TE Part #5-2176307-4  
RP 1E 0.1W 44K2 0.1% 25PPM 5K RL

TE Part #5-146276-5  
05 MODII HDR SRST B/A .100CL





TE Part #5-146280-7  
07 MODII HDR SRST B/A .100CL



TE Part #1-104068-6  
80 SYSTEM 50 HDR DRST SHRD



TE Part #5-2176453-1  
CPF 0201 19K1 0.1% 25ppm 1K RL



TE Part #6-2176453-8  
CPF 0201 28K7 0.1% 25ppm 1K RL



TE Part #9-2176453-6  
CPF 0201 56K2 0.1% 25ppm 1K RL



TE Part #HUM-900-PRO  
Module HUM-PRO 900MHz FHSS FM XCVR

Documents

Product Drawings

1FHP,64,30A/P,S,N,S09,11,14

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_120526-1\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_120526-1\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_120526-1\_G.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