

5917631-1 ✓ ACTIVE

CHAMP | CHAMP .050 Series I

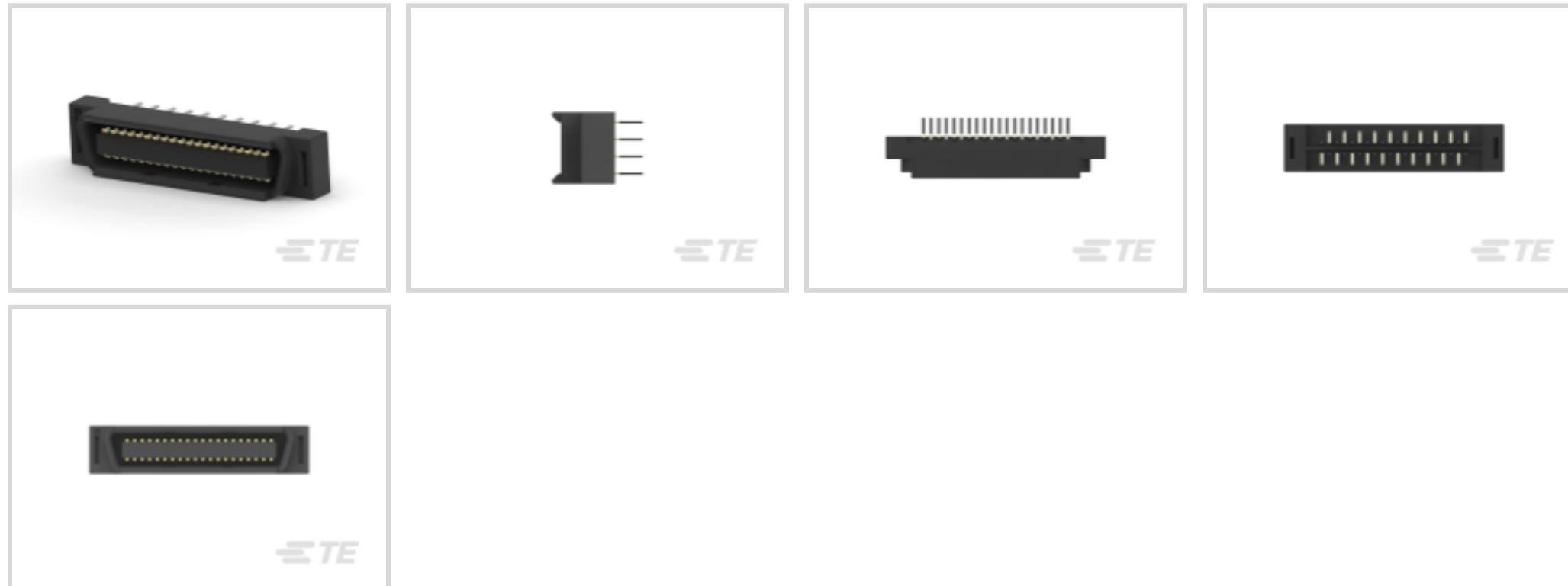
TE Internal #: 5917631-1

PCB Mount Header, Vertical, Board-to-Board, 40 Position, 1.27 mm
[.05 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder,
CHAMP .050 Series I

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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: **40**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

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

Configuration Features

| | |
|-----------------------|----------|
| Stackable | No |
| PCB Mount Orientation | Vertical |
| Number of Positions | 40 |

Electrical Characteristics

| | |
|-----------------------|------|
| Insulation Resistance | 2 MΩ |
|-----------------------|------|

Body Features

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



Contact Features

| | |
|--|--|
| Mating Tab Width | .85 mm[.033 in] |
| Mating Tab Thickness | .32 mm[.013 in] |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .3 μm [11.81 μin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 1 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in] |
| Rectangular Termination Post & Tail Width | .5 mm[.02 in] |
| Termination Post & Tail Length | 3.1 mm[.122 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | Thermoplastic |

Dimensions

| | |
|-----------------------------|----------------|
| Connector Height | 7 mm[.275 in] |
| Connector Width | 8 mm[.314 in] |
| PCB Thickness (Recommended) | 7.62 mm[.3 in] |

Usage Conditions

| | |
|-----------------------------|---|
| Operating Temperature Range | -55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$] |
|-----------------------------|---|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|



Industry Standards

| | |
|---|------------|
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | UL |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 130 |
| Packaging Method | Box |

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) Candidate List Declared Against: JUNE 2024 (241) 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 |

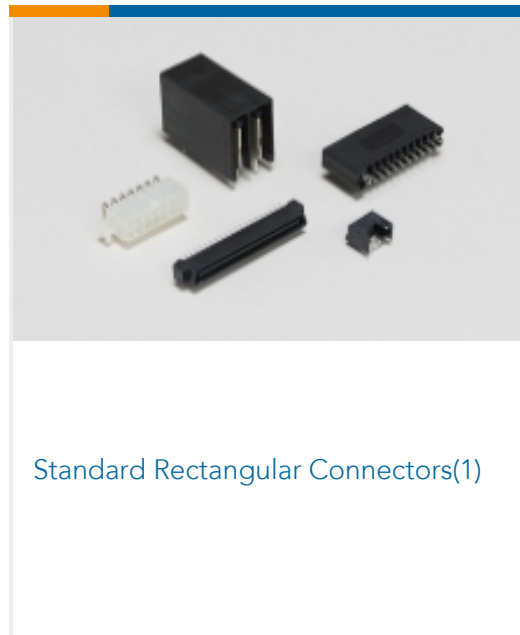
Product Compliance Disclaimer

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>

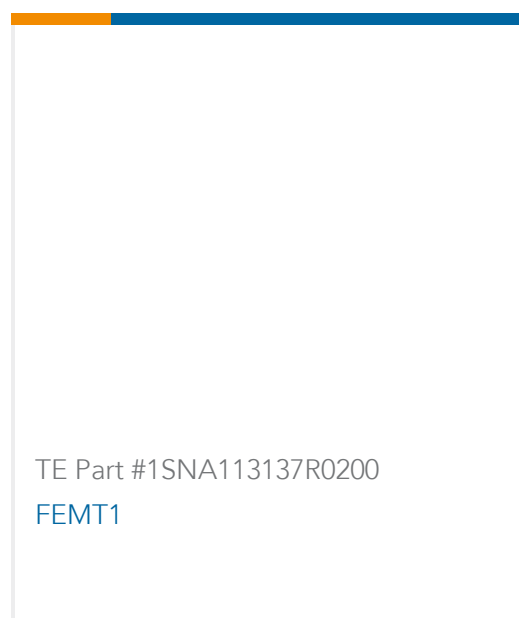
Compatible Parts



Also in the Series | CHAMP .050 Series I



Customers Also Bought





Documents

Product Drawings

[PLUG ASS'Y\(V\) 40P 1.27FHBB](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5917631-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5917631-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5917631-1_B.3d_stp.zip](#)

English

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

Instruction Sheets

[AMP FH Board-to-Board Connectors](#)

English

[Instruction Sheet \(non U.S.\)](#)

English