# 5917628-1 × OBSOLETE

CHAMP | CHAMP .050 Series I

TE Internal #: 5917628-1

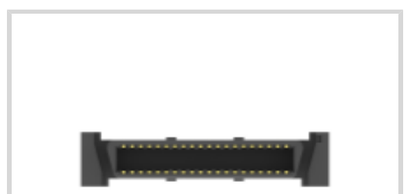
TE Internal Description: REC ASS'Y(V) 40P 1.27FHBB

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **40**

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

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

| | |
|---|---|
| PCB Connector Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Stackable | Yes |
| Number of Positions | 40 |
| PCB Mount Orientation | Vertical |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

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

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.1 mm[.122 in] |
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Width | 8 mm[.314 in] |
| Connector Height | 5.5 mm[.216 in] |
| Stack Height | 8 mm[.315 in] |
| PCB Thickness (Recommended) | 7.62 mm[.3 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |

## Operation/Application

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

## Industry Standards

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

### Packaging Features

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

## Product Compliance

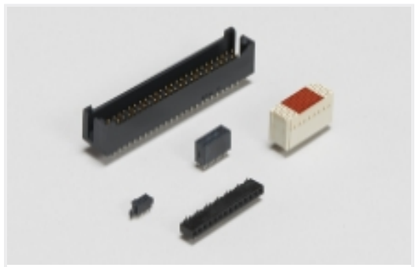
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (250)<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 |

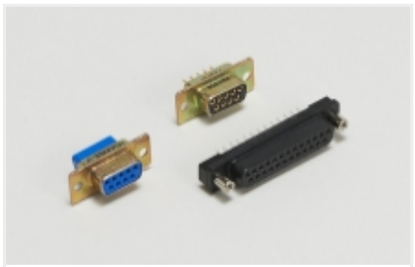
Product Compliance Disclaimer

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

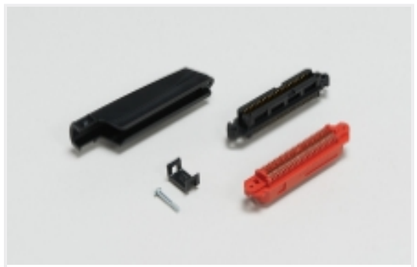
## Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles(127)



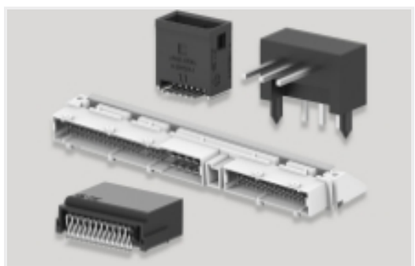
D-Shaped Connectors(7)



IDC D-Sub Connectors(6)



PCB D-Sub Connectors(1)



PCB Headers & Receptacles(127)

## Customers Also Bought



TE Part #179841-1
AMP POWER D/LOCK T/HDR ASSY 6P



TE Part #1318127-2
DYNAMIC D2100 HDR V ASSY 20P



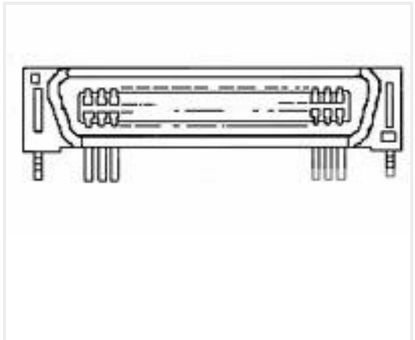
TE Part #CAT-D9934-A15F
Header Assembly: Wire-to-Board, 5A, gold or tin plated



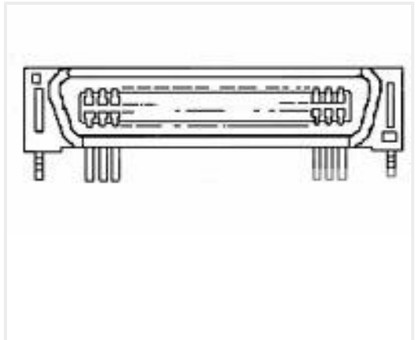
TE Part #CAT-D9934-A75F
Header Assembly: Wire-to-Board, 15A, gold or tin plated



TE Part #5176379-3
REC ASS'Y(H) 80P 1.27FHBB



TE Part #5176381-3
PLUG ASS'Y(H) 80P 1.27FHBB



TE Part #5176381-5
PLUG ASS'Y(H) 120P 1.27FHBB

## Documents

### Product Drawings

REC ASS'Y(V) 40P 1.27FHBB

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5917628-1_B.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_5917628-1_B.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_5917628-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.