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 (Au), CHAMP .050 Series I

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

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

Configuration Features

Stackable	No
Number of Positions	40
PCB Mount Orientation	Vertical

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	Tab
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Post & Tail Length	3.1 mm[.122 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	7 mm[.275 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) Candidate List Declared Against: JUNE 2025 (250) 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

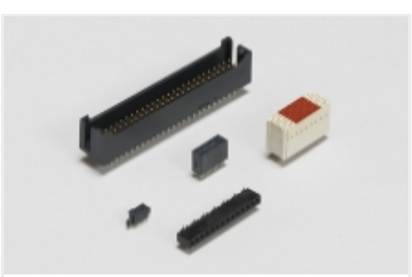
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

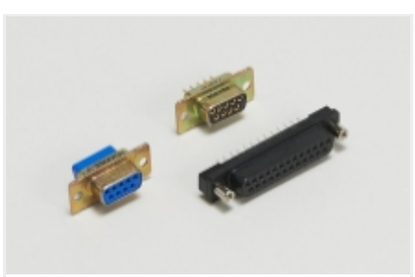


TE Part # 5917630-1
REC ASS'Y 40P 1.27FHBB

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles(127)



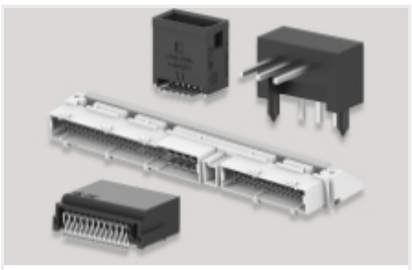
D-Shaped Connectors(7)



IDC D-Sub Connectors(6)



PCB D-Sub Connectors(1)

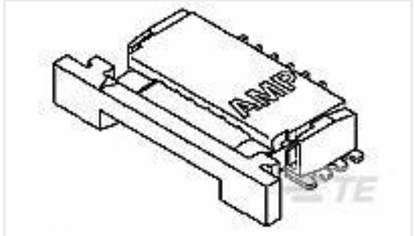


PCB Headers & Receptacles(127)

Customers Also Bought



TE Part #083502-E
CODEZT STVCM COLS * 172 CODIERLEISTE M 2



TE Part #84952-4
1MM FPC HORZ.BTTM CONT.ASS.4P



TE Part #9-338069-4
MICRO-MATCH SMD FTE



TE Part #1241152-9
9P HV100 REC. CON, SMD, GOLD, BLISTER



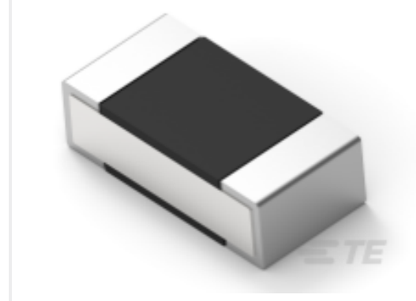
TE Part #1676247-3
RN 0805 200R 0.1% 10PPM 5KRL



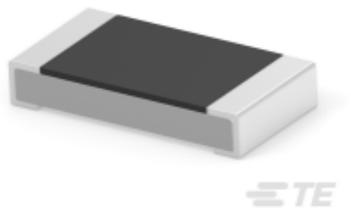
TE Part #1676309-1
RN 0805 348R 0.1% 10PPM CUT LE



TE Part #8-1879061-1
CPF 0402 22K 0.1% 25PPM 5K RL



TE Part #2176307-9
RP 1E 0.1W 15K 0.1% 25PPM 5K RL



TE Part #3-2176392-1
RQ 1206 274K 0.1% 10PPM 5K RL

TE Part #726169-000
D-SCE-2.5K-4.8-50-S1-9

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