

5917628-1  ACTIVE

CHAMP | CHAMP .050 Series I

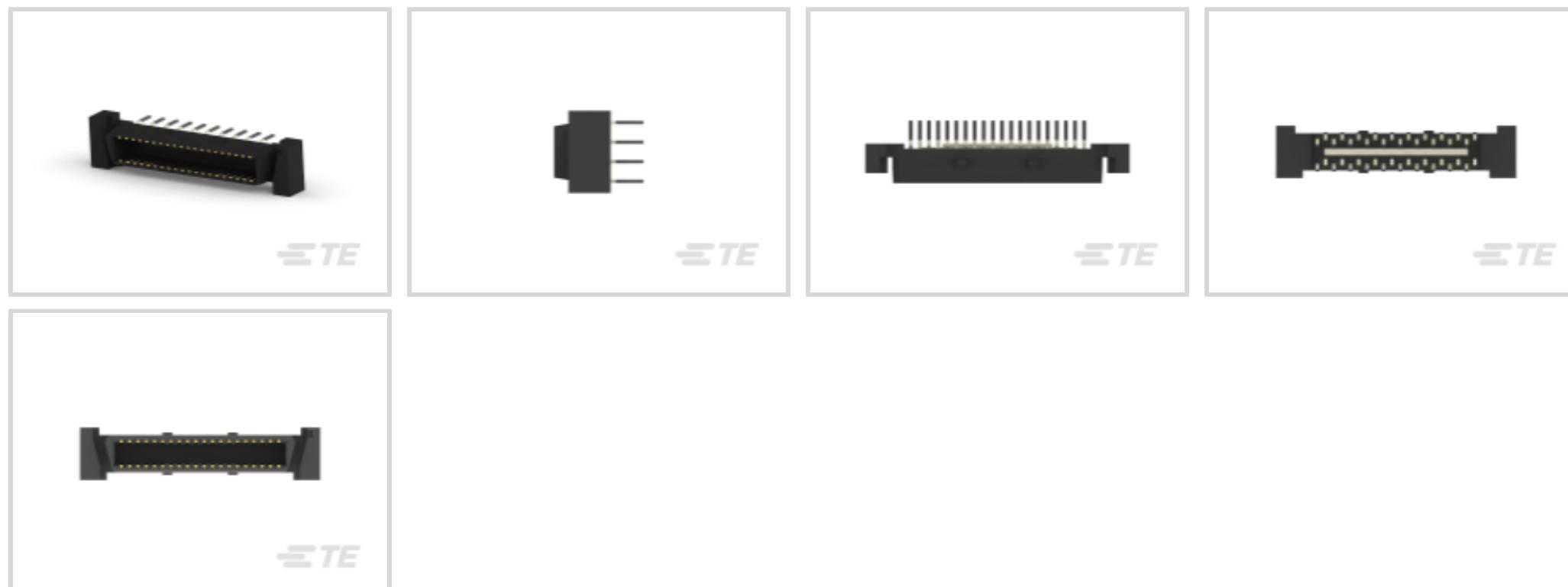
TE Internal #: 5917628-1

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

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

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 Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Insulation Resistance	2 MΩ
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Body Features

Primary Product Color	Black
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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	Receptacle
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	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	5.5 mm[.216 in]
Connector Width	8 mm[.314 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]
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Operation/Application

Circuit Application	Signal
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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](https://www.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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 5917631-1
PLUG ASS'Y(V) 40P 1.27FHBBTE Part # 5917630-1
REC ASS'Y 40P 1.27FHBB

Also in the Series

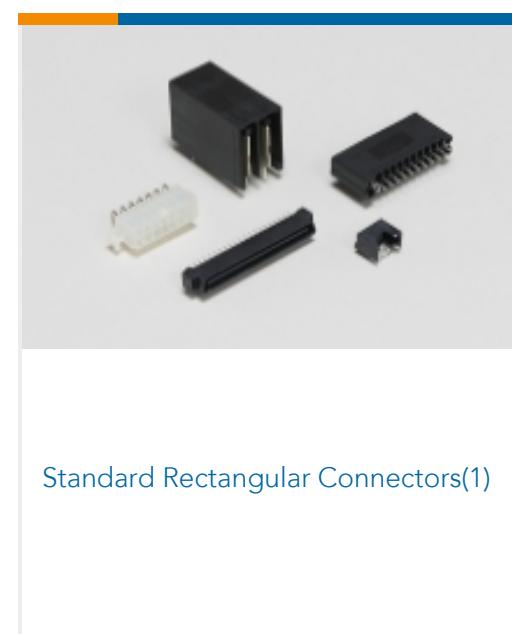
CHAMP .050 Series I



IDC D-Sub Connectors(6)

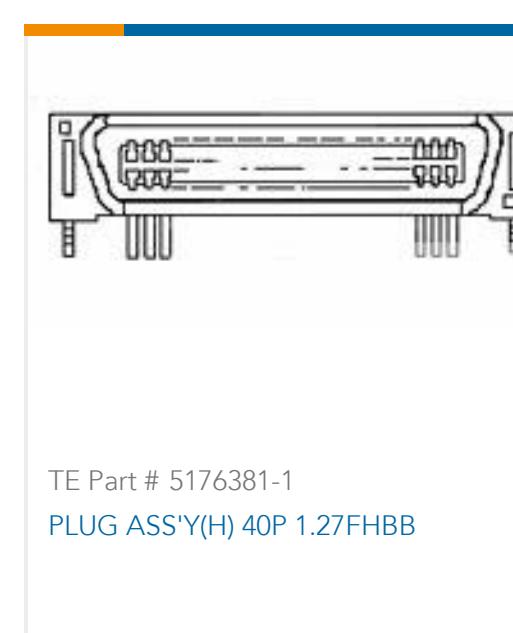


PCB Headers & Receptacles(134)



Standard Rectangular Connectors(1)

Customers Also Bought

TE Part # 1-179276-2
DYNAMIC 3200 HDR ASSY 2P HTE Part # 1-178315-2
DYNAMIC S/ROW HDR 5P V ASSYTE Part # 171826-5
POST HDR ASSY HDR AMP EI CONNTE Part # 5145154-4
STANDARD EDGE .050 SERIES 60
DUAL ASSYTE Part # 3-1827231-6
.5FHR04H,440,B,GIG,08/Sn,HT,NSTE Part # 1-1827581-3
DYNAMIC 1500T HDR ASSY V 9P X
BLACK GOLDTE Part # 171825-9
9P EIS POST HDR VERTICALTE Part # 5176381-1
PLUG ASS'Y(H) 40P 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

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