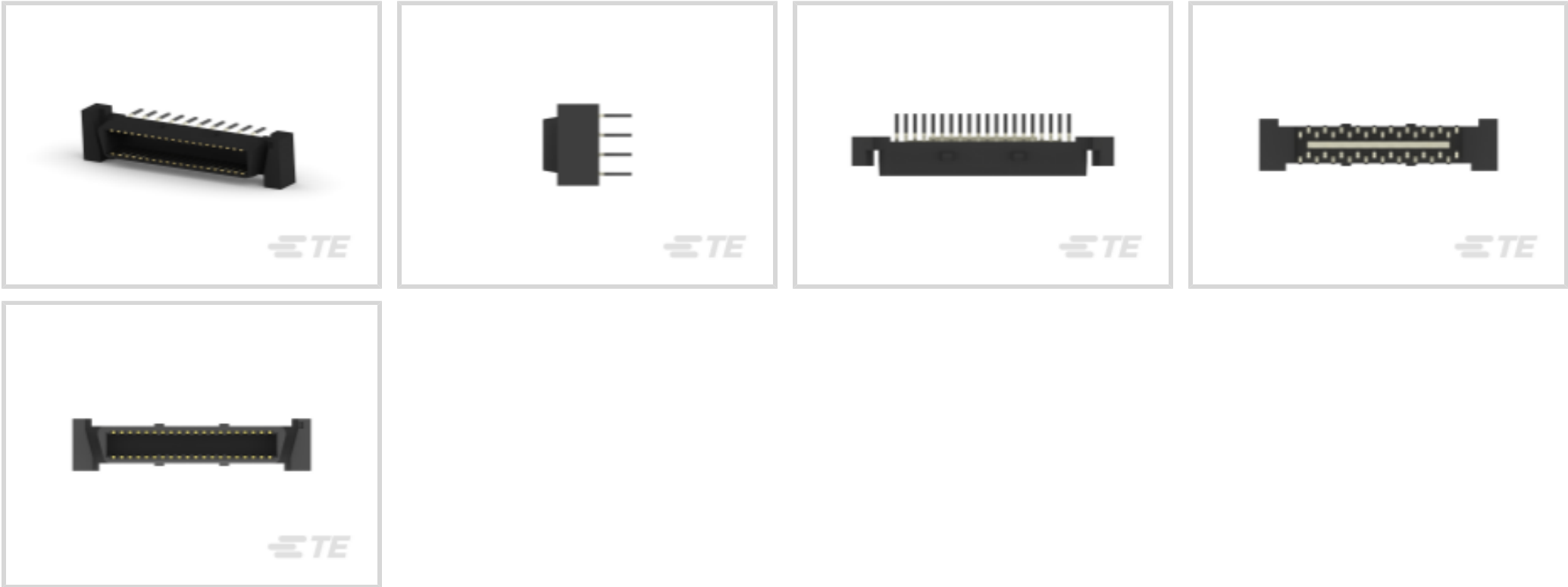




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector 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 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

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

Electrical Characteristics

Insulation Resistance	2 MΩ
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.3 μm[11.81 μin]
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	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
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

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

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 1.27FHBB

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

Also in the Series

CHAMP .050 Series I

Board-to-Board Headers & Receptacles(133)

D-Shaped Connectors(7)

IDC D-Sub Connectors(6)

PCB D-Sub Connectors(1)

PCB Headers & Receptacles(133)

Customers Also Bought

TE Part #5176371-3
AMP FH CONN REC V 80P (H=11)

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

TE Part #5917628-5
REC ASS'Y(V) 120P 1.27FHBB

TE Part #5176381-1
PLUG ASS'Y(H) 40P 1.27FHBB

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