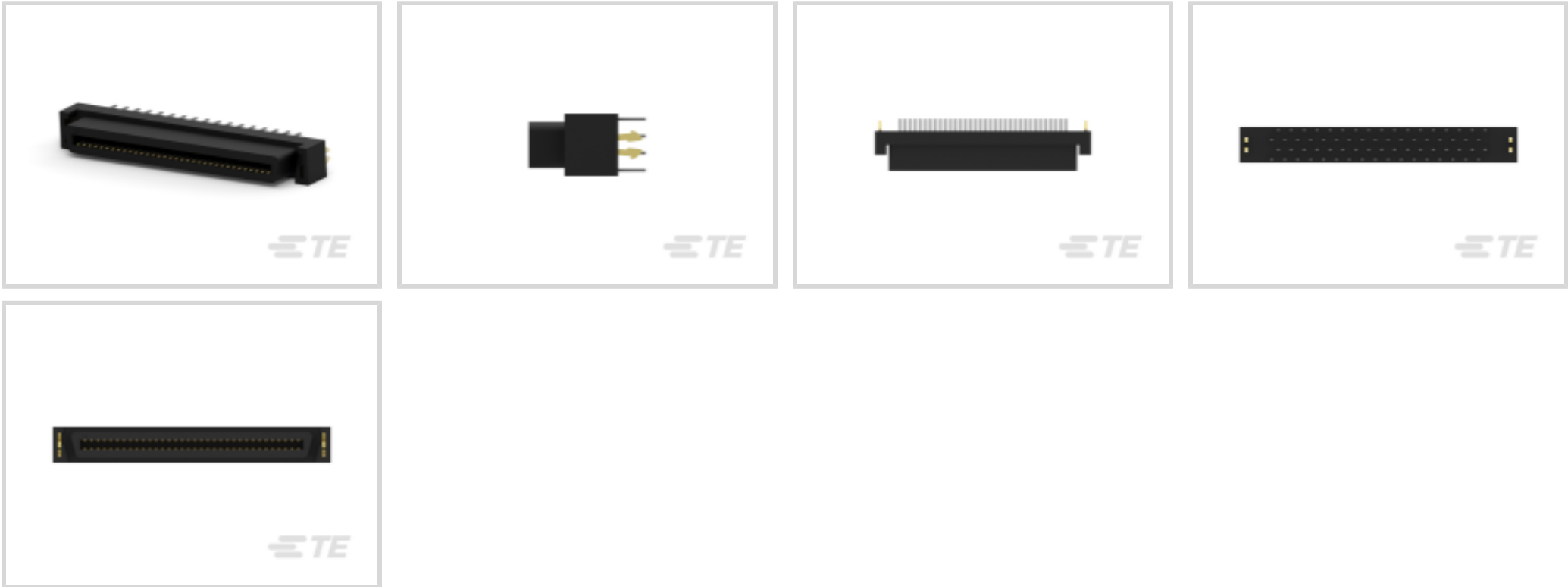




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **68**

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

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	68

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	1 MΩ

Body Features

PCB Retention Feature Material	Brass
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PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material Thickness	.5 µm[19.7 µin]
Mating Tab Width	.8 mm[.031 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.4 µin]
Contact Shape & Form	Single Tine, Square
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.32 mm[.013 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarized
PCB Mount Retention Type	Boardlock, Retention Leg
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Nylon - GF
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Height	7 mm[.275 in]
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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 Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	80
Packaging Method	Tray

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 # 5175472-8  
CHAMP 050 B/B PLUG H W/LEG 68P



TE Part # 5175473-8  
CHAMP 050 B/B PLUG V W/LG 68P



TE Part # 3-5175473-9  
CHAMP 050 B/B PLUG V W/LG 80P



TE Part # 3-5175472-8  
CHAMP 050 B/B PLUG H W/LEG 68P



TE Part # 3-5175473-8  
CHAMP 050 B/B PLUG V W/LG 68P



TE Part # 5175475-8  
CHAMP 050 B/B V W/LEG 68P

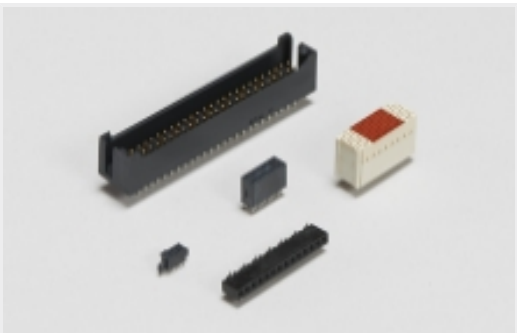


TE Part # 3-5175474-8  
CHAMP 050 B/B REC H W/LEG 68P



TE Part # 5175474-8  
CHAMP 050 B/B REC H W/LEG 68P

Also in the Series | CHAMP .050 Series I



Board-to-Board Headers & Receptacles(133)



IDC D-Sub Connectors(6)

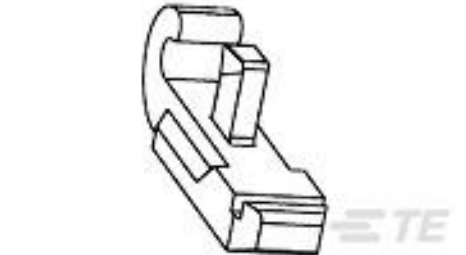


PCB D-Sub Connectors(1)



PCB Headers & Receptacles(133)

Customers Also Bought



TE Part #1981045-1  
DYNAMIC D3900 SPRING OPENER



TE Part #3-5175475-7  
CHAMP 050 B/B REC V W/LEG 60P



TE Part #2229800-1  
D3950 REC 6POS 2ROW MARKED



TE Part #1-2229794-1  
D3950 REC 11POS 1ROW X KEY MARKED



TE Part #3-2229803-1  
D3950 HDR 3POS 1ROW X KEY



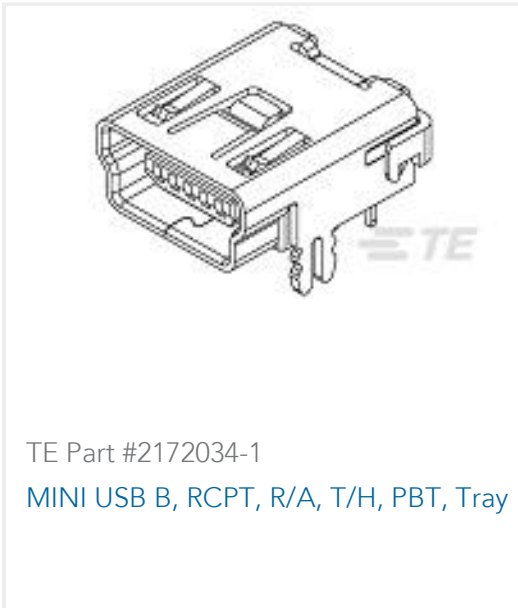
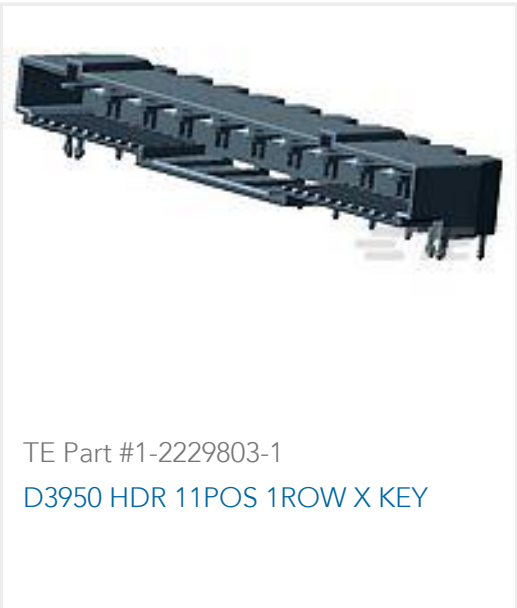
TE Part #3-2229794-1  
D3950 REC 3POS 1ROW X KEY MARKED



TE Part #1-2289080-2  
D3950 REC 11POS 1ROW X KEY WB



TE Part #1-2271656-1  
MINI IO VERTICAL SMT PLUS REC CONN KIT



Documents

Product Drawings

CHAMP 050 B/B REC V W/LEG 68P

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_3-5175475-8\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_3-5175475-8\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_3-5175475-8\_O.3d\_stp.zip

English

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

Product Specifications

Product Specification

English