

553443-4 ✓ ACTIVE

CHAMP

TE Internal #: 553443-4

Receptacle, Cable-to-Board, 50 Position, 2.16 mm [.085 in]

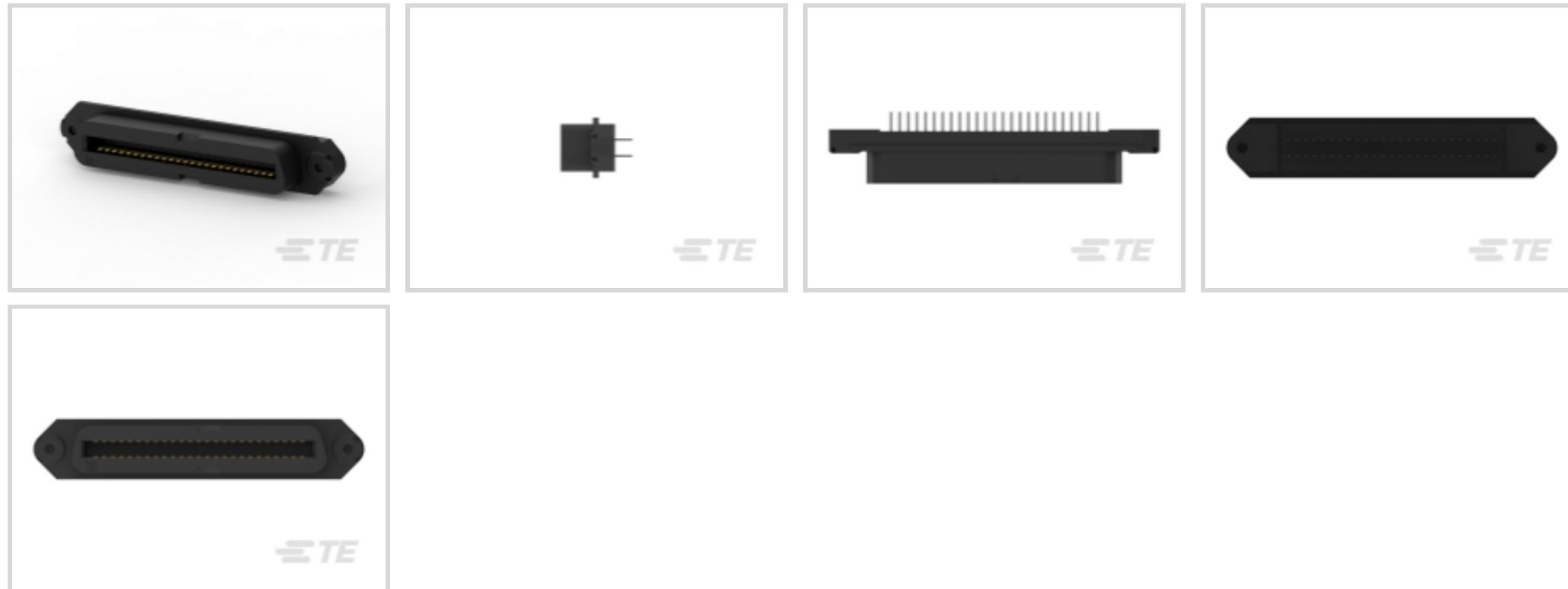
Centerline, 2 Row, Standard Profile, Vertical, Printed Circuit Board,

PCB D-Sub Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Action Pin, 2.16mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

Centerline (Pitch): **2.16 mm [.085 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, 2.16mm \(10\)](#)

## Features

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Termination Features

Rectangular Termination Post & Tail Width	.66 mm[.026 in]
Rectangular Termination Post & Tail Thickness	.48 mm[.018 in]
Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	4.58 mm

### Packaging Features

Packaging Quantity	20
Packaging Method	Tray

### Operation/Application

Shielded	No
Circuit Application	Signal



### Contact Features

Contact Mating Area Plating Material Thickness	.76 $\mu$ m
Contact Options	Installed
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A

### Mechanical Attachment

Panel Attachment Style	Rear Mount
Mounting Hole Diameter	3.3 mm
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Retention	Without
Connector Mounting Type	Board Mount

### Body Features

Primary Product Color	Black
Connector Profile	Standard

### Dimensions

PCB Thickness (Recommended)	1.57 – 3.18 mm [.062 – .125 in]
Row-to-Row Spacing	4.06 mm [.16 in]

### Housing Features

Housing Material	Polyester
Centerline (Pitch)	2.16 mm [.085 in]

### Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

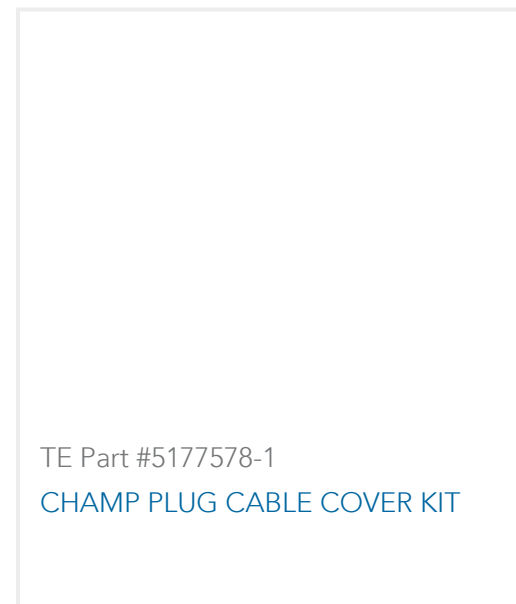
Product Compliance Disclaimer

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



Customers Also Bought



## Documents

### Product Drawings

[ASSY RCPT,ACTION PIN,CHAMP-LOK](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_553443-4\\_Z.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_553443-4\\_Z.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_553443-4\\_Z.3d\\_stp.zip](#)

English

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

## Product Specifications



### Application Specification

English

### Application Specification

English

### CHAMP Action Pin Connectors

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

#### AMP CHAMP ACTION PIN Connectors (Preloaded)

English

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### Agency Approvals

#### CSA Certificate

English