

554758-1 ✓ ACTIVE

CHAMP

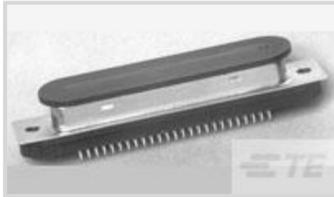
TE Internal #: 554758-1

PCB D-Sub Connectors, Plug, Cable-to-Board, 50 Position, 2.16 mm
[.085 in] Centerline, 2 Row, Standard Profile, Vertical, PCB Mount
Retention

[View on TE.com >](#)



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



Connector & Housing Type: **Plug**

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

Number of Positions: **50**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Vertical, Action Pin, 2.16mm \(4\)](#)

Features

Product Type Features

Grounded	No
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	No
Product Type	Connector
Orientation	Standard

Configuration Features

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

Body Features

Connector Profile	Standard
Color	Natural

Contact Features



Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3 A
	30 μ m

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post Length	4.58 mm

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °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 Method	Tray
Packaging Quantity	20

Other

Comment	Contains self retained terminals., For filtered connector, order P/N 093510-1.
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



Documents

Product Drawings



PLUG ASSY, 50 POSN, ACTION PIN

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_554758-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_554758-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_554758-1_D.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

CHAMP Action Pin Connectors

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP CHAMP ACTION PIN Connectors (Preloaded)

English

Instruction Sheet (U.S.)

English

AMP* CHAMP* SELF-RETAINED ACTION PIN* CONNECTORS (PRELOADED)

English

Agency Approvals

CSA Certificate

English