

554950-2 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

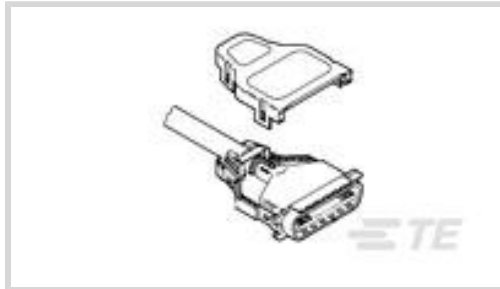
TE Internal #: 554950-2

IDC D-Sub Connectors, Plug, Shielded, Cable-to-Cable, 68 / 80 / 50  
Position, 2.16 mm [.085 in] Centerline, 2 Row, CHAMP Docking  
Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm



Connector & Housing Type: **Plug**

Shielded: **Yes**

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

Number of Positions: **14, 36, 50, 64, 68, 80**

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

[All IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm \(17\)](#)

## Features

### Product Type Features

Connector Classification	IDC
Profile	Standard
Slot Type Letter Code	B
Product Category	Connectors
Protective Cover	Without
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	14, 36, 50, 64, 68, 80
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

### Body Features

Shield Material	Carbon Steel
Shield Plating Finish	Bright



Color	Black
Cable Exit Angle	180°
Shield Plating Material	Nickel

#### Contact Features

Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold, Gold Flash, Gold Flash over Palladium Nickel
Contact Underplating Material	Palladium Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A, 1 A, 3.5 A

#### Mechanical Attachment

Mating Connector Lock	With
Mating Connector Lock Type	Bail Lock
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

#### Housing Features

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

#### Dimensions

Cable Outside Diameter	6.35 – 12.7 mm[.25 – .5 in]
Insulation Diameter (Max)	1.14 mm[.045 in]

#### Usage Conditions

Operating Temperature Range	-40 – 75 °C[-40 – 167 °F]
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#### Operation/Application

Shielded	Yes
Circuit Application	Signal

#### Packaging Features

Packaging Method	Poly Bag
Packaging Quantity	1

#### 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	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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



Also in the Series | **CHAMP Docking Connectors**



D-Sub Covers(28)



D-Sub Locking &amp; Mounting(29)



Docking Connector Guide Hardware(5)



Docking Connectors(31)



IDC D-Sub Connectors(79)



PCB D-Sub Connectors(1)

## Documents

### Product Drawings

#### PLUG KIT,36 POSN,BAIL LK,SHLD

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_554950-2\\_A\\_c-554950-2-a.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_554950-2\\_A\\_c-554950-2-a.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_554950-2\\_A\\_c-554950-2-a.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

### Instruction Sheets

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

English

#### AMP\* SHIELDED CHAMP\* 180 DEG CONNECTOR KITS AND COVER KITS

English



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[Agency Approvals](#)

[CSA Certificate](#)

English