

554953-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

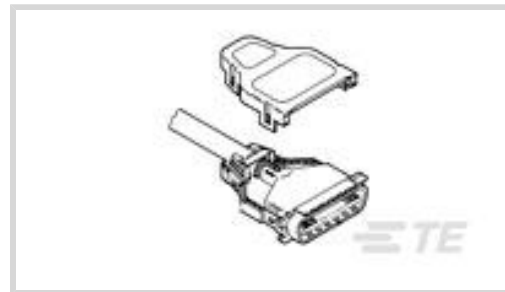
TE Internal #: 554953-1

IDC D-Sub Connectors, Plug, 26 – 24 AWG Solid Wire Size, .13 – .32 mm² Solid Wire Size, 24 AWG Stranded Wire, CHAMP Docking Connectors

[View on TE.com >](#)



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**

Solid Wire Size: **.13 – .32 mm²**

Stranded Wire Size: **.1 mm², .14 mm², .33 mm²**

[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	E
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	50
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°
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Shield Plating Material	Nickel
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Contact Features

	30 μin
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Contact Mating Area Plating Material	Gold, Gold Flash, Gold Flash over Palladium Nickel
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Contact Underplating Material	Palladium Nickel
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	3.5 A
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Mechanical Attachment

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

Housing Material	Polyphenylene Oxide
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Housing Color Dot Designation	Yellow
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Housing Color	Black
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Centerline (Pitch)	2.16 mm [.085 in]
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Dimensions

Insulation Diameter (Max)	1.14 mm
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Cable Outside Diameter	8.89 – 15.88 mm [.35 – .625 in]
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Cable Insulation Diameter Range	1.14 mm
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Accepts Cable Diameter (Max)	15.88 mm
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Accepts Wire Insulation Diameter Range	1.14 mm
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Solid Wire Size	.13 – .32 mm ²
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Stranded Wire Size	.1 mm ² , .14 mm ² , .33 mm ²
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Wire Size	27 AWG, 28 AWG
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Usage Conditions

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

Shielded	Yes
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Circuit Application

Signal

Packaging Features

Packaging Method

Bag

Packaging Quantity

1

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 & 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,50 POSN,BAIL LK, SHLD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_554953-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_554953-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_554953-1_C.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

Product Environmental Compliance

[TE Material Declaration](#)

English



Instruction Sheets

Instruction Sheet (U.S.)

English

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

English

Agency Approvals

CSA Certificate

English