

5552403-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 5552403-1

IDC D-Sub Connectors, Receptacle, 27 AWG / 28 AWG / 26 AWG

Stranded Wire, .14 mm² / .1 mm² / .09 mm² Stranded Wire,

Shielded, CHAMP Docking Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm



Connector & Housing Type: **Receptacle**

Stranded Wire Size: .09 mm², .1 mm², .14 mm²

Shielded: **Yes**

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

[All IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm \(10\)](#)

Features

Product Type Features

Connector Classification	IDC
Profile	Standard
Slot Type Letter Code	E
Product Category	Connectors
Protective Cover	With
Connector & Housing Type	Receptacle
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

Color	Black
Cover Material	Thermoplastic



Contact Features

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

Mechanical Attachment

Mating Connector Lock	With
Mating Connector Lock Type	Screwlocks
Panel Mount Feature	Without
Screw & Hole Thread Size	4-40 UNC 2B
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Cable Outside Diameter	8.89 – 10.8 mm[.35 – .425 in]
Insulation Diameter (Max)	1.14 mm[.045 in]
Stranded Wire Size	.09 mm ² , .1 mm ² , .14 mm ²
Wire Size	26 AWG, 27 AWG

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	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: JAN 2017 (173) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

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

[KIT, RCPT, 50 POS, CHAMP-LOK](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5552403-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5552403-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5552403-1_O.3d_stp.zip](#)

English

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