

5552382-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 5552382-1

IDC D-Sub Connectors, Plug, .64 mm² Solid Wire Size, .33 mm² Stranded Wire, 22 AWG Stranded Wire, Shielded, Cable-to-Cable, 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**

Solid Wire Size: **.64 mm²**

Stranded Wire Size: **.33 mm²**

Shielded: **Yes**

[All IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm \(15\)](#)

Features

Product Type Features

Connector Kit Type	Connector Kit
Connector Cover Type	Protective Cover
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
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

Cover Material	Thermoplastic
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material 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
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Contact Current Rating (Max)	.5 A, 1 A
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Mechanical Attachment

Mating Retention	With
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Mating Retention Type	Screwlocks
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Thread Size	4-40
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Accepts Cable Insulation Diameter Range	13.97 mm [.55 in]
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Compatible Insulation Diameter (Max)	1.14 mm [.045 in]
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Solid Wire Size	.64 mm ²
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Stranded Wire Size	.33 mm ²
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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
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Packaging Features

Packaging Quantity	1
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Packaging Method	Bag
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233)
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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



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(77)



PCB D-Sub Connectors(1)

Customers Also Bought



TE Part #3-1437685-1
3TK2-48=SNAP TRACK,TERMINAL BL

Documents

Product Drawings

[KIT, PLUG, 50 POS, C SLOT](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5552382-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5552382-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5552382-1_A.3d_stp.zip](#)

English

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