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

1 Toduct Type Teatures	
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	

Contact Features

Connector Profile

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

Standard



Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A, 1 A
Mechanical Attachment	
Mating Retention	With
Mating Retention Type	Screwlocks
Thread Size	4-40
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	Thermoplastic
Centerline (Pitch)	2.16 mm[.085 in]
Dimensions	
Accepts Cable Insulation Diameter Range	13.97 mm[.55 in]
Compatible Insulation Diameter (Max)	1.14 mm[.045 in]
Solid Wire Size	.64 mm²
Stranded Wire Size	.33 mm ²
Usage Conditions	
Operating Temperature Range	-40 - 75 °C[-40 - 167 °F]
Operation/Application	
Shielded	Yes
Circuit Application	Signal
Packaging Features	
Packaging Quantity	1
Packaging Method	Bag

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 2023 (235) Candidate List Declared Against: JAN 2023 (233)



Does	not	contain	REACH	SVHC
	1100	COLLCULL		\mathcal{I}

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

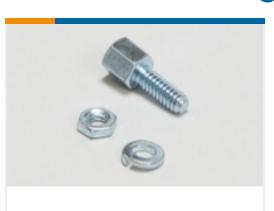
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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









Docking Connector Guide Hardware(5)



Docking Connectors(31)





Customers Also Bought



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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