### CHAMP | CHAMP Docking Connectors

TE Internal #: 5229913-4

TE Internal Description: KIT, RCPT, 50 POS, B SLOT IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm

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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

Solid Wire Size: 26 – 24 AWG Stranded Wire Size: 24 AWG

All IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm (8)

### **Features**

### **Product Type Features**

Connector Kit Type	Connector Kit
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board, 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**

Connector Profile	Standard

### **Contact Features**

Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Underplating Material	Palladium Nickel
Contact Base Material	Copper Alloy
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	Polyphenylene Oxide
Centerline (Pitch)	2.16 mm[.085 in]
Dimensions	
Accepts Cable Diameter (Max)	10.8 mm[.425 in]
Accepts Cable Insulation Diameter Range	8.89 – 10.8 mm[.35 – .425 in]
Compatible Insulation Diameter (Max)	1.14 mm[.045 in]
Solid Wire Size	26 – 24 AWG
Stranded Wire Size	24 AWG
Stranded Wire Size Wire Size	24 AWG 24 AWG
Wire Size	
Wire Size  Usage Conditions	24 AWG
Wire Size  Usage Conditions  Operating Temperature Range	24 AWG
Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application	24 AWG -40 - 75 °C[-40 - 167 °F]
Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application	24 AWG  -40 – 75 °C[-40 – 167 °F]  Signal
Wire Size  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Shielded	24 AWG  -40 – 75 °C[-40 – 167 °F]  Signal

## **Product Compliance**

Packaging Method

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 2024 (241) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

Bag



#### 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

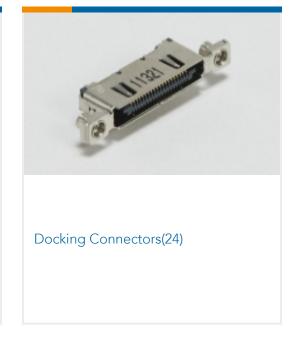
# Also in the Series | CHAMP Docking Connectors

Connector Hardware (28)











# Customers Also Bought















### **Documents**

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_5229913-4\_O.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5229913-4\_O.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5229913-4\_O.3d\_stp.zip

English

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