# 229975-4 ✔ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 229975-4

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

View on TE.com >

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



Connector & Housing Type: **Receptacle**

Solid Wire Size: **.13 – .32 mm²**

Stranded Wire Size: **24 AWG**

All IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm (25)

## Features

### Product Type Features

| | |
|---|---|
| Connector Classification | IDC |
| Profile | Standard |
| Slot Type Letter Code | B |
| Product Category | Connectors |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Cable |
| Connector Product Type | Connector Assembly |
| 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 | Gray |

### Contact Features

| | |
|---|---|
| Contact Mating Area Plating Thickness | .76 µm[30 µin] |
| Contact Mating Area Plating Material | Gold, Gold Flash |

| | |
|---|---|
| Contact Underplating Material | Palladium Nickel |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 3.5 A |

### Mechanical Attachment

| | |
|---|---|
| Flange Thickness | Thick |
| 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 | Blue |
| Centerline (Pitch) | 2.16 mm[.085 in] |

### Dimensions

| | |
|---|---|
| Insulation Diameter (Max) | 1.14 mm[.045 in] |
| Solid Wire Size | .13 – .32 mm² |
| Stranded Wire Size | 24 AWG |
| Wire Size | 24 AWG |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 75 °C[-40 – 167 °F] |

### Operation/Application

| | |
|---|---|
| Shielded | No |
| Circuit Application | Signal |

### Packaging Features

| | |
|---|---|
| Packaging Method | Box & Tray, Package |
| Packaging Quantity | 100 |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

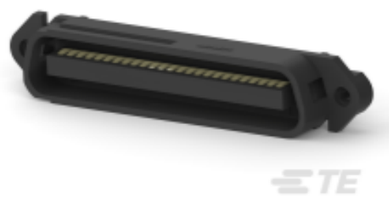
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |

| | |
|---|---|
| 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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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



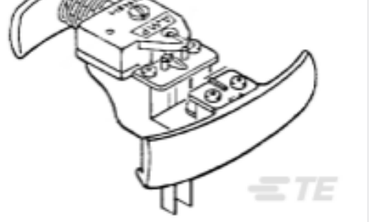
TE Part # CAT-357-D658
IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 2.16 mm



TE Part # CAT-357-D601
IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm



TE Part # 229378-1
ASSY, MI-1 TOOL,STD 14-50 POSN



TE Part # 229451-2
PALM GRIP TOOL & 50 POSN SLIDE

## Also in the Series | CHAMP Docking Connectors



D-Sub Covers(27)



D-Sub Locking & Mounting(31)



Docking Connector Guide Hardware(5)



Docking Connectors(33)



IDC D-Sub Connectors(85)



PCB D-Sub Connectors(1)

## Customers Also Bought



TE Part #229974-4
IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 2.16 mm



TE Part #YDTS20Z11-02PNV001
D38999: Square Flange, 11-02 insert



TE Part #111595-3
016 ASSY SYS 50 PADDLEBOARD



TE Part #440751-000
5028A1314-9



TE Part #440069-000
5026A1317-0



TE Part #2142970-4
CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M



TE Part #2170773-3
CAGE ASSY, QSFP28 1X1, SPRING, LP



TE Part #2227226-3
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X3

TE Part #1-552027-4
STRAIN RELIEF, 50 POS, CHAMP

TE Part #2-5552560-1
COVER KIT TAPERED 50 POS

## Documents

### Product Drawings

ASSY,RCPT,50POS,B SLOT,GRY HSG

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_229975-4_AB.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_229975-4_AB.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_229975-4_AB.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

## Agency Approvals

### UL Report

English

### UL Report

English

### UL Report

English