

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

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Kit, 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, 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] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|--------|
| Shielded | Yes |
| Circuit Application | Signal |

Packaging Features

| | |
|--------------------|-----|
| Packaging Method | Bag |
| Packaging Quantity | 1 |

Product Compliance

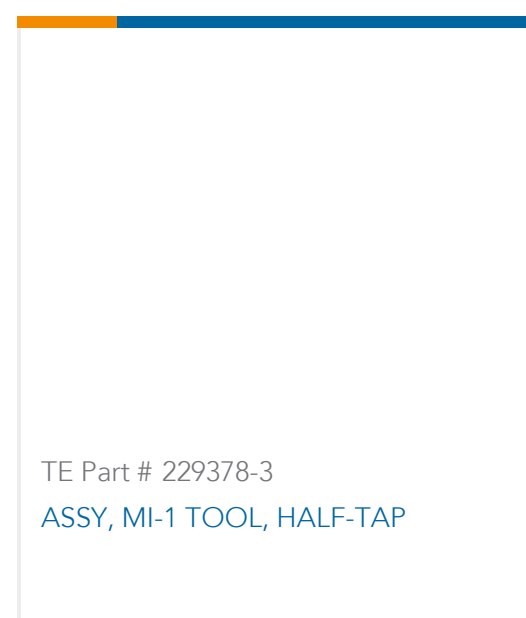
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| 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](#)



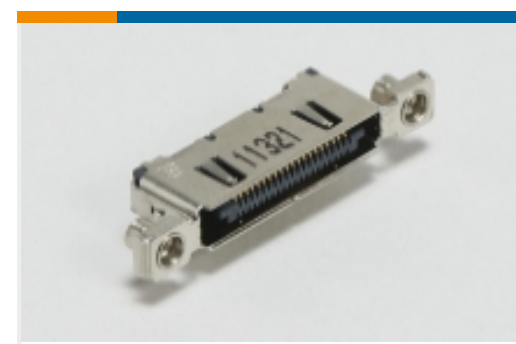
D-Sub Covers(28)



D-Sub Locking & Mounting(30)



Docking Connector Guide Hardware(5)



Docking Connectors(31)

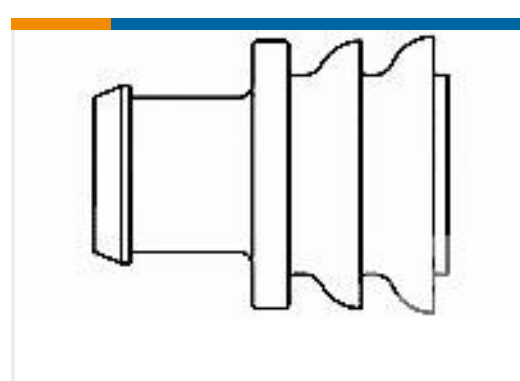


IDC D-Sub Connectors(80)



PCB D-Sub Connectors(1)

Customers Also Bought

TE Part #DT04-2P
DEUTSCH DT HOUSINGSTE Part #W2S
DEUTSCH DT WEDGELOCKSTE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSINGTE Part #206070-8
CABLE CLAMP KIT #17TE Part #0460-202-16141
DEUTSCH SOLID CONTACTSTE Part #281934-2
SINGLE WIRE SEAL

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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