

5-555012-2 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 5-555012-2

50 Position D-Shaped Connector, Plug, Cable-to-Cable, Cable Mount (Free-Hanging), 2.16 mm [.085 in] Centerline, Wire & Cable, CHAMP Docking Connectors

[View on TE.com >](#)



Connectors > D-Shaped Connectors > IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm



Number of Positions: **50**

Connector & Housing Type: **Plug**

Connector System: **Cable-to-Cable**

Connector Mounting Type: **Cable Mount (Free-Hanging)**

Centerline (Pitch): **2.16 mm [.085 in]**

[All IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm \(8\)](#)

Features

Product Type Features

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

Cable Exit Angle	90 °
Shield Plating Material	Nickel
Connector Profile	Standard
Insert Material	ABS Molding Compound
Shield Material	Carbon Steel

Contact Features

	30 μin
Contact Underplating Material	Palladium Nickel



Contact Mating Area Plating Material	Gold (Au)
Contact Current Rating (Max)	.5 A, 1 A
Contact Options	Supplied – Uninstalled

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Retention	With
Mating Retention Type	Screwlocks
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Polyphenylene Oxide
Centerline (Pitch)	2.16 mm [.085 in]

Dimensions

	.045 in
Compatible Cable Insulation Diameter Range	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]
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Operation/Application

Shielded	Yes
Circuit Application	Signal

Packaging Features

Packaging Method	Package
Packaging Quantity	500

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold



EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2024 (241)

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

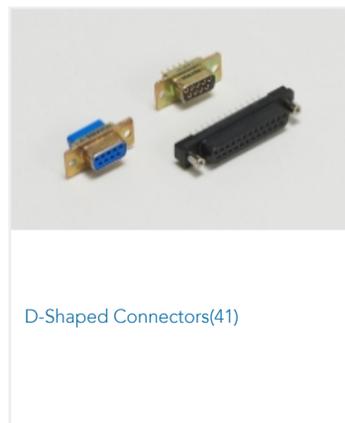
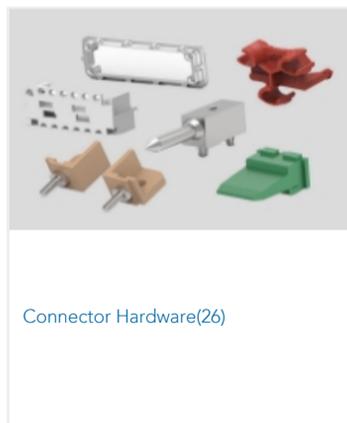
Product Compliance Disclaimer

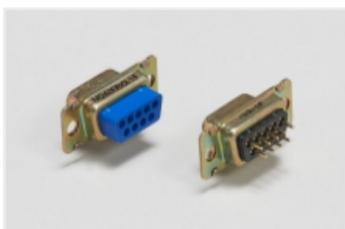
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



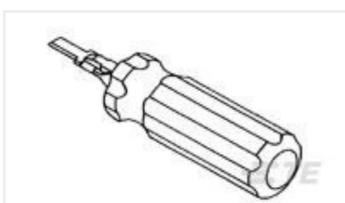
Also in the Series | CHAMP Docking Connectors





Panel Mount D-Sub Connectors(5)

Customers Also Bought

TE Part #104257-4
05 MTE RCPT HSG SR LATCH .100TE Part #206038-2
CPC RECPT ASSEMBLY SIZE 17-28TE Part #211399-1
CPC PLUG ASSEMBLY SIZE 13-7TE Part #211769-5
17-9 CPC RECEPT REV SEXTE Part #305183
EXTRACT TOOL TYPE 2 20-16TE Part #745254-6
20 DF PIN CONT L.P.

Documents

Product Drawings

[PLUG KIT, POST MLDG, E SLOT](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5-555012-2_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5-555012-2_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5-555012-2_J.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

CSA Certificate

English