

554902-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 554902-1

IDC D-Sub Connectors, Receptacle, 30 – 26 AWG Solid Wire Size, .05 – .13 mm² Solid Wire Size, 28 AWG Stranded Wire, CHAMP Docking Connectors

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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: **.05 – .13 mm²**

Stranded Wire Size: **.08 mm²**

[All IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm \(21\)](#)

Features

Product Type Features

Connector Classification	IDC
Profile	Standard
Boss on Shield	Without
Product Category	Connectors
Connector & Housing Type	Receptacle
Connector System	Cable-to-Panel
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	Ribbon Cable

Body Features

Strain Relief Clip Material	Thermoplastic
Shield Material	Die Cast Metal
Color	Black
Cable Exit Angle	90°



Cover Material	Polyphenylene Oxide
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Shield Plating Material	Nickel

Contact Features

Contact Mating Area Plating Material	Gold, Gold Flash, Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A

Termination Features

Termination Cover Method	Assembled
Termination Cover	With

Mechanical Attachment

Flange Thickness	Thick
Mating Connector Lock	With
Mating Connector Lock Type	Screwlocks
Screw Size	14702
Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	2.16 mm[.085 in]

Dimensions

Solid Wire Size	.05 – .13 mm ²
Stranded Wire Size	.08 mm ²

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	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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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](#)



D-Sub Covers(28)



D-Sub Locking & Mounting(29)



Docking Connector Guide Hardware(5)



Docking Connectors(31)



IDC D-Sub Connectors(79)



PCB D-Sub Connectors(1)

Documents

Product Drawings

[EMI RCPT ASSY,50 POSN,SHLD](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_554902-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_554902-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_554902-1_E.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[CSA Certificate](#)



English