

552276-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 552276-1

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

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Connectors > D-Shaped Connectors > IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 2.16 mm



Number of Positions: **64**

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: Plug Assembly, Signal, Cable to Cable, 2.16 mm \(15\)](#)

Features

Product Type Features

Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	64
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 μ m[30 μ in]
Contact Current Rating (Max)	3.5 A



Contact Options	Installed
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Termination Features

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

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

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

Solid Wire Size	26 – 24 AWG
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Compatible Insulation Diameter (Max)	1.14 mm [.045 in]
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Stranded Wire Size	.33 mm ²
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Wire Size	26 – 24 AWG
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Usage Conditions

Operating Temperature Range	-40 – 75 °C [-40 – 167 °F]
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Packaging Features

Packaging Method	Box & Tray, Package
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Packaging Quantity	100
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250)
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SVHC > Threshold:

Triphenyl phosphate (TPP) (1% in 4993802)

Article Safe Usage Statements:

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Bromine/Chlorine - Br and Cl < 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>

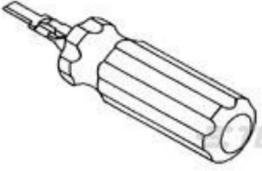
Compatible Parts



TE Part # 229384-1
TOOL, INSERTION, HAND, T-GRIP



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



TE Part # 230238-1
EXTRACTOR



TE Part # 552285-1
ASSY, PLUG, 64 POS, B SLOT

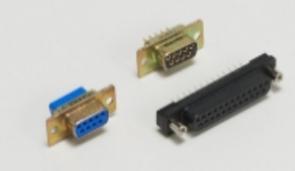
Also in the Series | CHAMP Docking Connectors



Connector Caps & Covers(27)



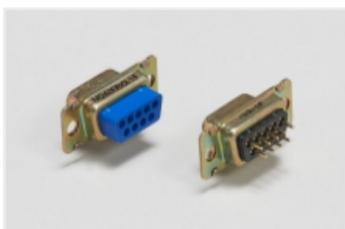
Connector Hardware(26)



D-Shaped Connectors(41)

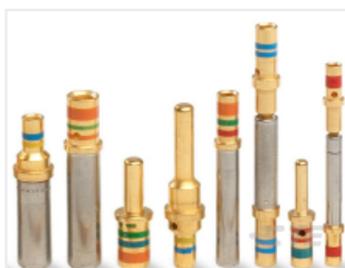
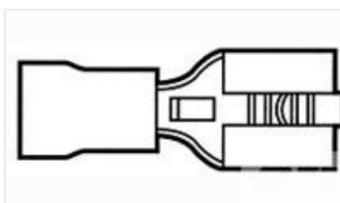
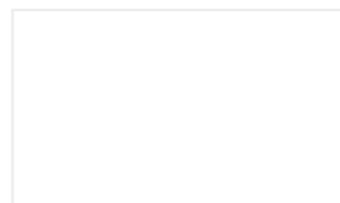
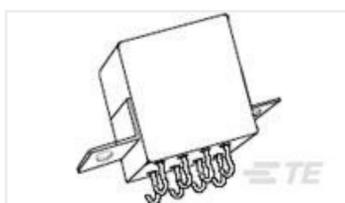
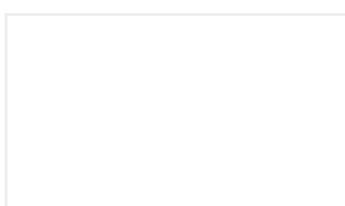


IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought

TE Part #CS9495-000
SEB-FTE Part #0662-207-1282
CONT SOC ASSYTE Part #42599-2
RECEIPT, PIDG FASTON 22-18 250TE Part #213337-1
DUST COVER, MIL 600TE Part #2-1609034-1
30ESB6=F8329TE Part #1-1617752-0
FCA-210-CY9TE Part #2000713-1
RA Keyed Guide Mod, Vita 46,
MachinedTE Part #5554381-2
RCPT ASSY, 64 POSN, INT LKG LCHTE Part #2-6609129-3
SEFM1S=F8107TE Part #8-1393139-0
MDR-5161=MDR

Documents

Product Drawings

[ASSY, PLUG, 64 POS, B SLOT](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_552276-1_H.3d_igs.zip](#)

English

[Customer View Model](#)



[ENG_CVM_552276-1_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_552276-1_H.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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English