3-5229912-1 ✔ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 3-5229912-1

50 Position D-Shaped Connector, Plug, Cable-to-Board / Cable-to-Cable, Cable Mount (Free-Hanging), 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-Board, 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-Board, 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

Connector Profile	Standard
Cover Material	Polyethylene, Polyphenylene Oxide

Contact Features

Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Current Rating (Max)	.5 A, 1 A

Contact Options	Installed

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Screwlocks
Thread Size	4-40 UNC 2B
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Accepts Cable Insulation Diameter Range	10.8 – 12.7 mm[.425 – .5 in]
Solid Wire Size	26 – 24 AWG
Accepts Cable Diameter (Max)	12.7 mm[.5 in]
Compatible Insulation Diameter (Max)	1.14 mm[.045 in]
Stranded Wire Size	.33 mm^2
Wire Size	24 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 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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	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

Also in the Series | CHAMP Docking Connectors



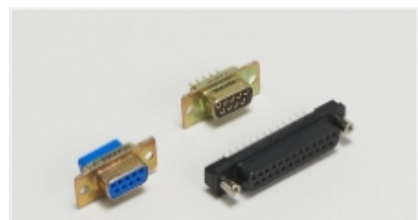
Connector Caps & Covers(27)



Connector Hardware(26)



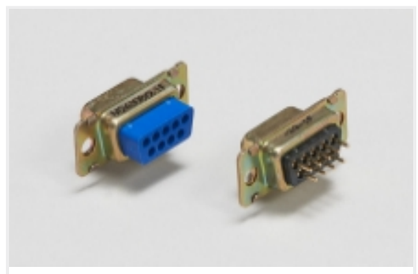
Connector Strain Relief(2)



D-Shaped Connectors(41)



IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought



TE Part #87227-5
10 MODII HDR DRST UNSHRD .100



TE Part #329860
TERMINAL,TERMI-FOIL 16-14



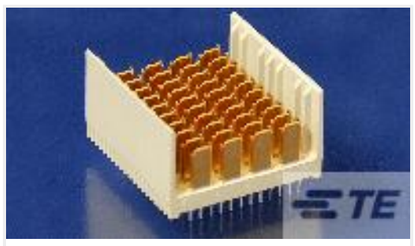
TE Part #1053354-1
2062 0000 00,SMA PCB VERT JACK



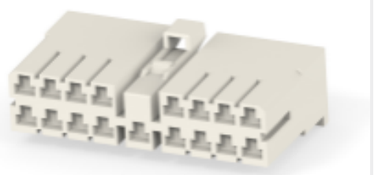
TE Part #5100147-1
Z-PACK/A RAF 110P



TE Part #5413879-2
JACK ASSY,RTANG,BNC



TE Part #6469002-1
HM-ZD 4PR HDR 80P 5.2MM



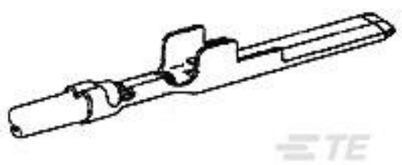
TE Part #171354-1
17 CIR MIC PLUG HSG



TE Part #172026-1
MIC PLUG 5P



TE Part #172037-1
MIC CAP 5P V



TE Part #170222-4
MIC TAB

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-5229912-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-5229912-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-5229912-1_O.3d_stp.zip

English

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