554953-1

CHAMP | CHAMP Docking Connectors

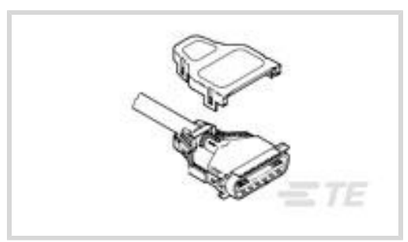
TE Internal #: 554953-1

TE Internal Description: PLUG KIT,50 POSN,BAIL LK, SHLD

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

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	180°
Primary Product Color	Black
Shield Plating Material	Nickel
Connector Profile	Standard
Shield Material	Carbon Steel

Contact Features

	30 µin
Contact Underplating Material	Palladium Nickel

Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	3.5 A
Contact Options	Supplied – Uninstalled

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Bail Lock
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	1.14 mm[.35 – .625 in]
Solid Wire Size	26 – 24 AWG
Accepts Cable Diameter (Max)	15.88 mm
Compatible Insulation Diameter Range	1.14 mm
Compatible Insulation Diameter (Max)	1.14 mm
Stranded Wire Size	.1 mm^2, .14 mm^2, .33 mm^2
Wire Size	27 AWG, 28 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

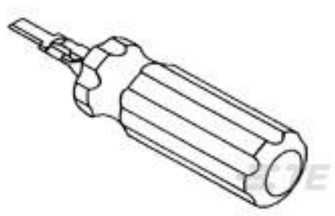
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Does not contain REACH SVHC
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 # 230238-1
EXTRACTOR

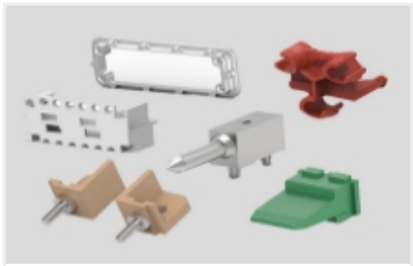


TE Part # 229384-1
TOOL, INSERTION, HAND, T-GRIP

Also in the Series | CHAMP Docking Connectors



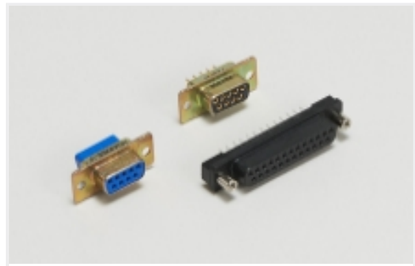
Connector Caps & Covers(27)



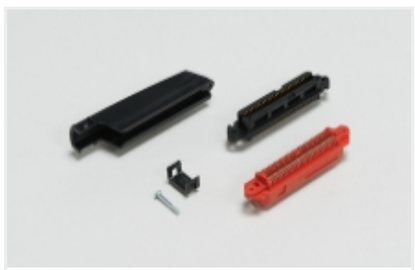
Connector Hardware(26)



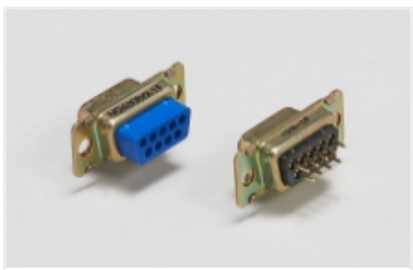
Connector Strain Relief(2)



D-Shaped Connectors(41)

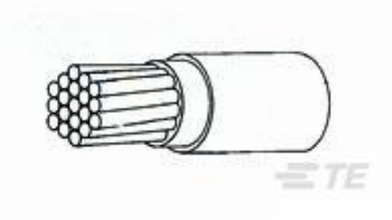


IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought



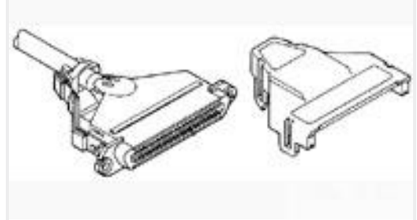
TE Part #265042-002
81044/9-16-9



TE Part #290087-002
10603-0-0



TE Part #50981
TERMINAL,SOLIS R 16-14 1/2



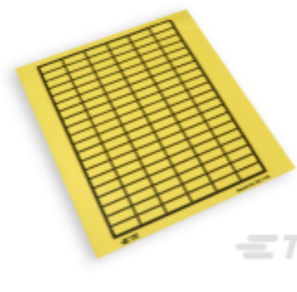
TE Part #554946-2
COVER KIT, 180 DEG,50 POS,SHLD



TE Part #1-1478903-0
SMA STR PLG DS RG402 GSS



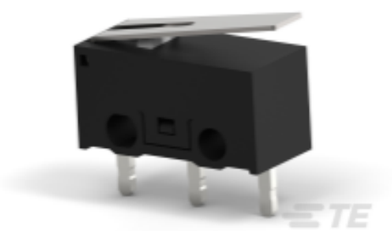
TE Part #1658540-1
PIN CONT DUPL PLT STRIP HD-20



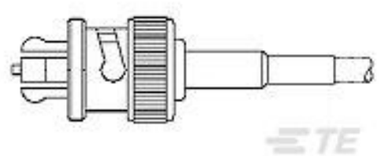
TE Part #5-1768048-6
TEK914-N



TE Part #1-2176411-1
1/2W SM M/OX 5% 30K



TE Part #2351445-4
UMINSA SW HLV0.88N 3A/1.5A AC SC PCB



TE Part #5051426-5
SAFE HIGH VOLTAGE PLUG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_554953-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_554953-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_554953-1_C.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

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP* SHIELDED CHAMP* 180 DEG CONNECTOR KITS AND COVER KITS

English

Agency Approvals

CSA Certificate

English