554955-1 ✔ ACTIVE

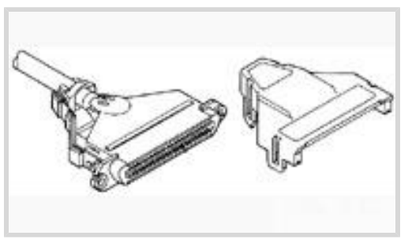
CHAMP | CHAMP Docking Connectors

TE Internal #: 554955-1

50 Position D-Shaped Connector, Receptacle, Cable-to-Board / Cable-to-Cable / Cable-to-Panel, CHAMP Docking Connectors

View on TE.com >

Connectors > D-Shaped Connectors > IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm



Number of Positions: **50**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Board, Cable-to-Cable, Cable-to-Panel**

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

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

All IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm (8)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Board, Cable-to-Cable, Cable-to-Panel
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

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

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 A, .5 A, 1.5 A
Contact Options	Supplied – Uninstalled

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount

Housing Features

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

Dimensions

	.045 in
Compatible Cable Insulation Diameter Range	8.89 – 15.88 mm[.35 – .625 in]

Usage Conditions

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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Packaging Features

Packaging Quantity	1
Packaging Method	Bag

Product Compliance

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

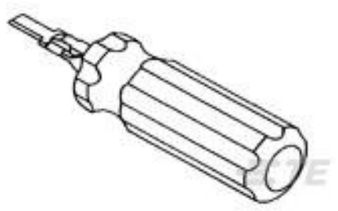
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250)

	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 # 230238-1
EXTRACTOR

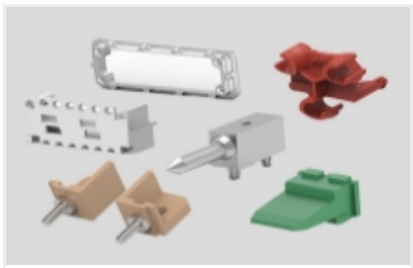


TE Part # 229384-1
TOOL, INSERTION, HAND, T-GRIP

Also in the Series | CHAMP Docking Connectors



Connector Caps & Covers(28)



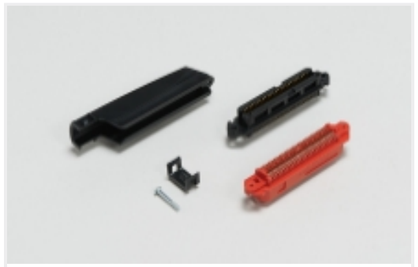
Connector Hardware(26)



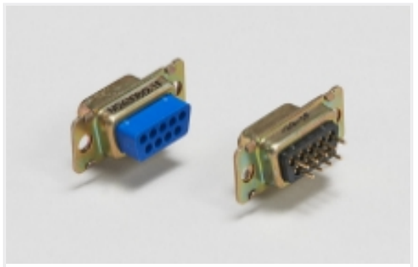
Connector Strain Relief(2)



Docking Connectors(19)



IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought



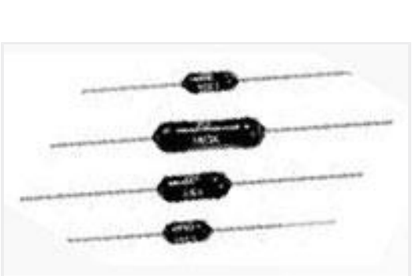
TE Part #583393-000
S1125-KIT-5



TE Part #321684
TERMINAL,SOLIS R 16-14 6



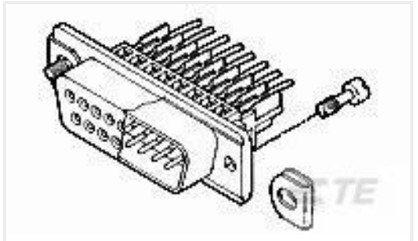
TE Part #552008-1
KIT, COVER, 180, 50 POS



TE Part #9-1879662-7
H8 100R 0.1% 15PPM



TE Part #5406436-1
MJ,TE,8P,SHLD W/PNL STPS



TE Part #5745647-1
HD KIT, MALE SCREW RET.



TE Part #5749210-5
50 50SR CABLE RCPT ASSY



TE Part #5749699-7
68 50SR CABLE RCPT KIT



TE Part #5750752-1
68 50SR BKSHELL KIT W/BOOT



TE Part #6828130-1
CO KIT, LC, SM, DUP TIGHT

Documents

Product Drawings

RCPT KIT,50 POSN, SCR LK,SHLD

English

CAD Files

Customer View Model

ENG_CVM_CVM_554955-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_554955-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_554955-1_B.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