552319-1 × OBSOLETE

CHAMP | CHAMP Docking Connectors

TE Internal #: 552319-1

TE Internal Description: ASSY, PLUG, 50 POS, C SLOT

View on TE.com >

Connectors > D-Shaped Connectors

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]**

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable
Number of Rows	2
Number of Positions	50

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 µm[30 µin]
Contact Current Rating (Max)	3.5 A
Contact Options	Installed

Mechanical Attachment

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

Housing Features

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

Dimensions

Stranded Wire Size	.33 mm^2
Solid Wire Size	.65 mm^2
Compatible Insulation Diameter (Max)	1.14 mm[.045 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Method	Box & Tray, 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 2025 (250) Candidate List Declared Against: JAN 2024 (240) 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

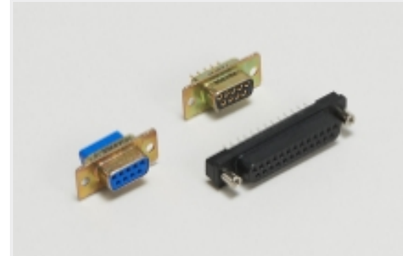
Product Compliance Disclaimer

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

Also in the Series | CHAMP Docking Connectors

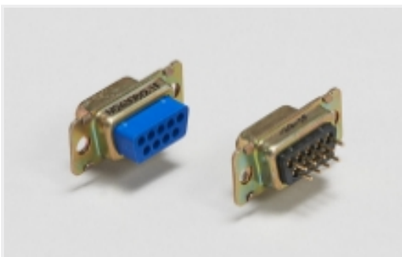
Connector Caps & Covers(27)

Connector Hardware(26)



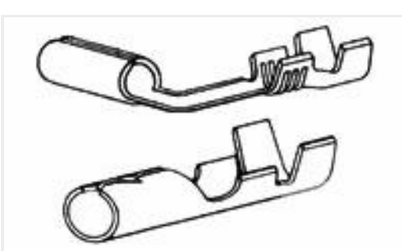
D-Shaped Connectors(41)

IDC D-Sub Connectors(41)

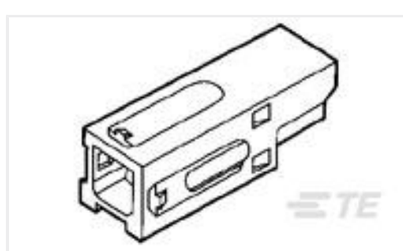


Panel Mount D-Sub Connectors(5)

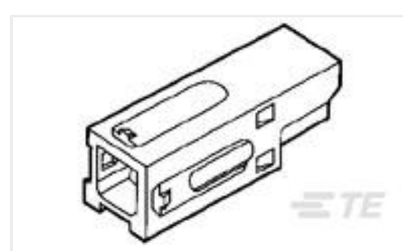
Customers Also Bought



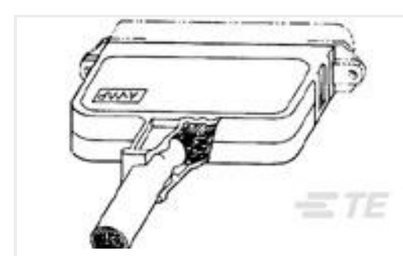
TE Part #42142-2
SHUR PLUG TERMINAL 18-14 AWG BR



TE Part #53894-1
HSG ASSY,PWR LK,SRS1,1 POS,WHT

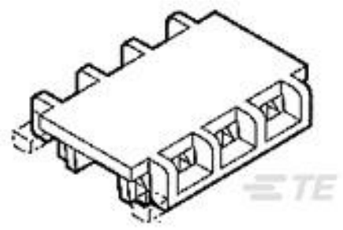


TE Part #53894-2
HSG ASSY,PWR LK,SRS1,1 POS,BLK

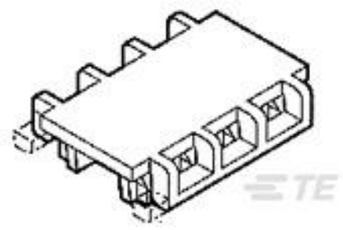


TE Part #4-552008-1
KIT, COVER, 180, 50 POS

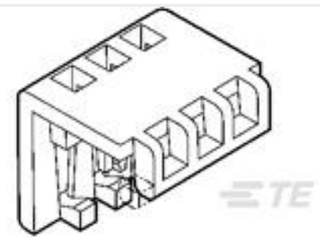
TE Part #640629-1
MTA156 KEYING PLUG



TE Part #643071-2
02P MTA156 FD-THRU COVER



TE Part #643071-3
03P MTA156 FD-THRU COVER



TE Part #1-643075-1
11P MTA100 MOLDED COVER

TE Part #745508-4
FERRULE SPLIT RING, HD

TE Part #927766-1
JPT REC 2.8 Contact SWS Sn

Documents

CAD Files

Customer View Model
ENG_CVM_552319-1_J.3d_igs.zip

English

Customer View Model
ENG_CVM_552319-1_J.3d_stp.zip

English

Customer View Model
ENG_CVM_552319-1_J.2d_dxf.zip

English

3D PDF

3D

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

English