552471-1 ✔ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 552471-1

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

View on TE.com >

Connectors > D-Shaped Connectors > IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 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: 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	50
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire

Body Features

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)	3.5 A

Contact Options	Installed

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

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

Compatible Insulation Diameter (Max)	1.14 mm[.045 in]
Stranded Wire Size	.09 mm^2, .1 mm^2, .14 mm^2
Wire Size	26 AWG, 27 AWG

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: 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



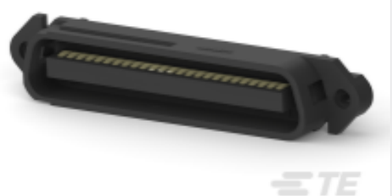
TE Part # CAT-357-D65015
IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm



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 # CAT-357-D658
IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 2.16 mm

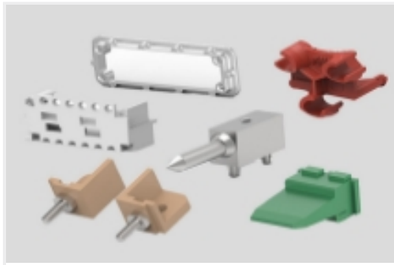


TE Part # CAT-357-D650155
IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm

Also in the Series | CHAMP Docking Connectors



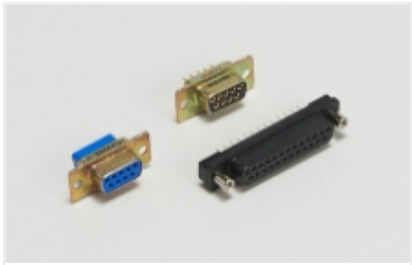
Connector Caps & Covers(27)



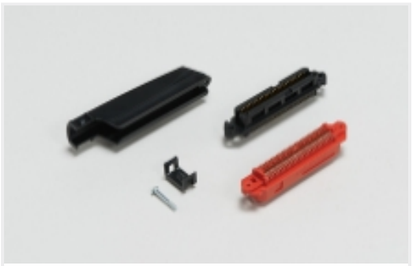
Connector Hardware(26)



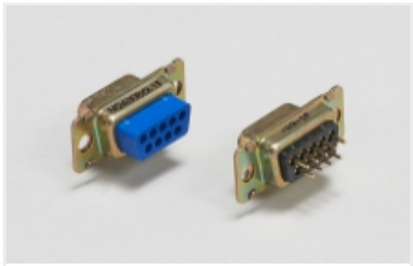
Connector Strain Relief(2)



D-Shaped Connectors(41)

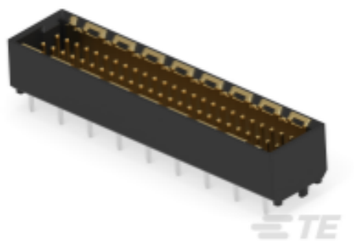


IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought



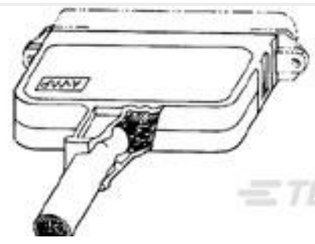
TE Part #144681-E
MSPEED 50 M SMDTHR M1 * AB VV 137 094 *



TE Part #1-87499-0
05 MODIV HSG COMP SR .100CL



TE Part #182923-1
CPC PLUG ASSY SIZE 23-37



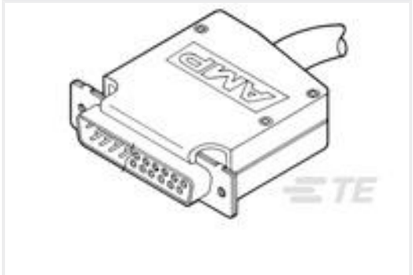
TE Part #552008-1
KIT, COVER, 180, 50 POS



TE Part #1218124-2
15 POS,ASSY,PLUG,LOW PROF,109



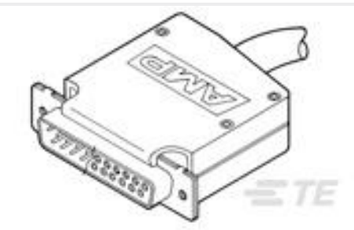
TE Part #4-1625999-0
HSC100 4R7 5%



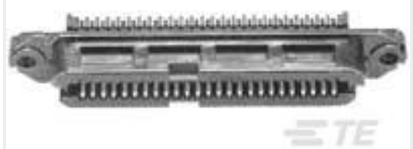
TE Part #5205718-1
CABLE SUPPORT HSG ASSY



TE Part #5205729-1
CLAMSHELL ASSEMBLY,SIZE 1



TE Part #5205732-1
CLAMSHELL ASSEMBLY,SIZE 5



TE Part #5553921-1
ASSY, RCPT, 50 POSN, B SLOT

Documents

Product Drawings

ASSY, PLUG, 50 POS, E SLOT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_552471-1_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_552471-1_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_552471-1_T.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

English