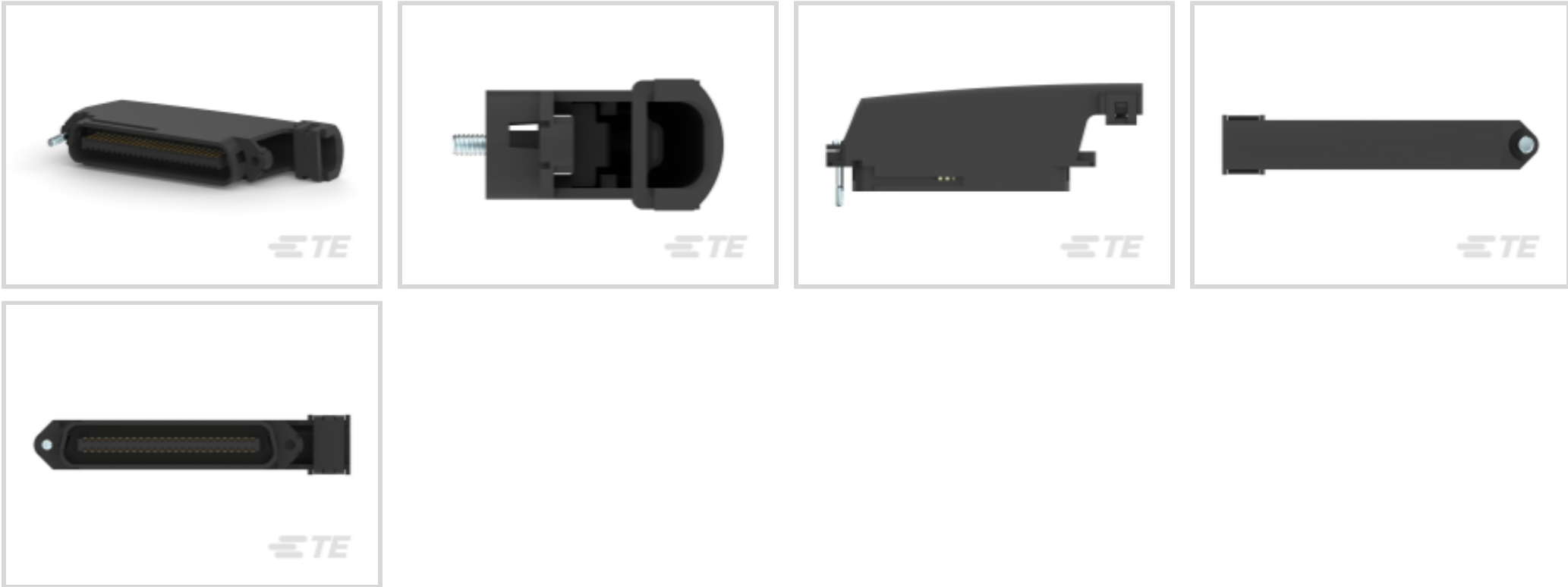




Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm²**

Stranded Wire Size: **.33 mm²**

[All IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm \(19\)](#)

Features

Product Type Features

Profile	Standard
Connector Classification	IDC
Slot Type Letter Code	B
Product Category	Connectors
Protective Cover	Without
Connector & Housing Type	Plug
Connector System	Cable-to-Board, Cable-to-Cable
Connector Product Type	Connector Kit
Sealable	No
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

Color	Black
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Contact Features

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

Mechanical Attachment

Mating Connector Lock	With
Mating Connector Lock Type	Screwlocks
Panel Mount Feature	Without
Screw & Hole Thread Size	4-40 UNC 2B
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Polyphenylene Oxide
Housing Color Dot Designation	Blue
Centerline (Pitch)	2.16 mm[.085 in]

Dimensions

Cable Outside Diameter	8.89 – 10.8 mm[.35 – .425 in]
Insulation Diameter (Max)	1.14 mm[.045 in]
Accepts Cable Diameter (Max)	10.8 mm[.425 in]
Solid Wire Size	.13 – .32 mm²
Stranded Wire Size	.33 mm²
Wire Size	24 AWG

Usage Conditions

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

Shielded	Yes
Circuit Application	Signal

Packaging Features

Packaging Method	Package
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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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

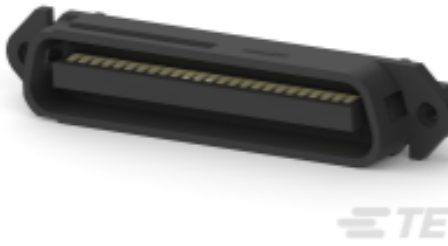
Product Compliance Disclaimer

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>

Compatible Parts



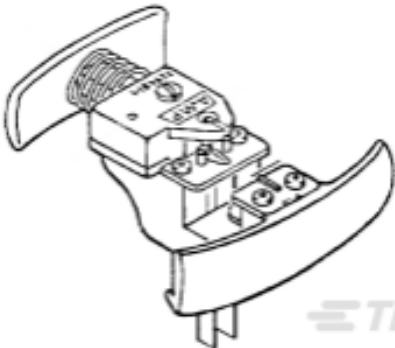
TE Part # CAT-357-D601
IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm



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



TE Part # 229378-1
ASSY, MI-1 TOOL,STD 14-50 POSN



TE Part # 229451-2
PALM GRIP TOOL & 50 POSN SLIDE



TE Part # 229764-2
KIT,ACCSRY,PALM GRIP & ALL POS

TE Part # 229378-3
ASSY, MI-1 TOOL, HALF-TAP

Also in the Series

CHAMP Docking Connectors

D-Sub Covers(28)

D-Sub Locking & Mounting(31)

Docking Connector Guide Hardware(5)

Docking Connectors(35)

IDC D-Sub Connectors(83)

PCB D-Sub Connectors(1)

Customers Also Bought

TE Part #552285-1
ASSY, PLUG, 64 POS, B SLOT

TE Part #229975-1
ASSY,RCPT,50POS,B SLOT,BLK HSG

TE Part #3-6609987-2
15SRBS8-W=F8222D

TE Part #207473-1
CABLE CLAMP KIT,SZ 4

TE Part #5557730-1
MJ,TE,8P/8C,SHLD,PNL STOPS&G

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

TE Part #229968-1
COVER,DUST,PLUG,BLUE,CHAMP

TE Part #229968-2
COVER, DUST, PLUG, BLUE, CHAMP



Documents

Product Drawings

KIT, PLUG, 50 POS, B SLOT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-5229912-1_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-5229912-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-5229912-1_O.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Environmental Compliance

MD_6-5229912-1_040420161339_dmtec

English

MD_6-5229912-1_040420161339_dmtec

English

TE Material Declaration

English