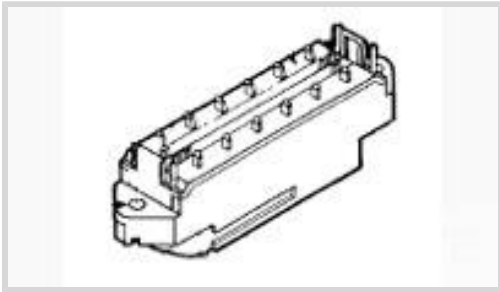




Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors



Connector & Housing Type: **Plug**

Solid Wire Size: **.05 – .13 mm²**

Stranded Wire Size: **.08 mm²**

Features

Product Type Features

Connector Classification	IDC
Profile	Low
Product Type	Connector
Product Category	Connectors
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Color	Black
Cover Material	Thermoplastic
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]

Contact Features

Contact Mating Area Underplating Material	Palladium Nickel
	30 μin
Contact Mating Area Plating Material	Gold, Gold Flash



Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Mechanical Attachment

Flange Thickness	Thick
Mating Connector Lock	With
Mating Connector Lock Type	Screwlocks
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Solid Wire Size	.05 – .13 mm²
Stranded Wire Size	.08 mm²
Wire Size	28 AWG

Usage Conditions

Operating Temperature Range	-40 – 75 °C[-40 – 167 °F]
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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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 553603-1
RCPT ASSY,50 POSN,SCR LK,L PF

Also in the Series | CHAMP Docking Connectors



D-Sub Covers(28)



D-Sub Locking & Mounting(32)



Docking Connector Guide Hardware(5)



Docking Connectors(32)



IDC D-Sub Connectors(88)

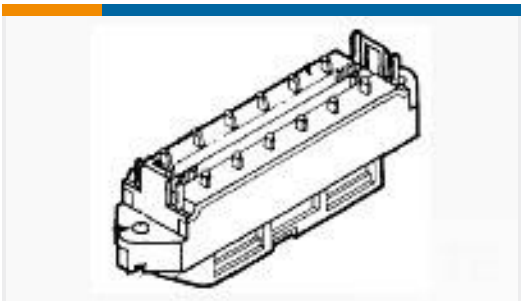


PCB D-Sub Connectors(1)

Customers Also Bought



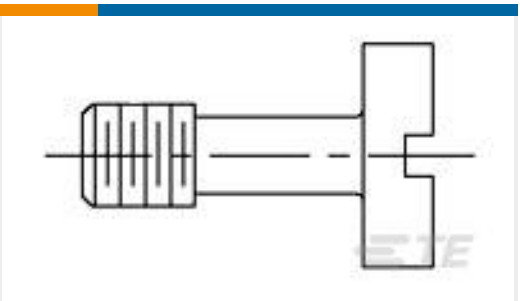
TE Model / Part #448153-4
AMPLIMITE,3C3,SZ 2,PLUG



TE Model / Part #553603-1
RCPT ASSY,50 POSN,SCR LK,L PF



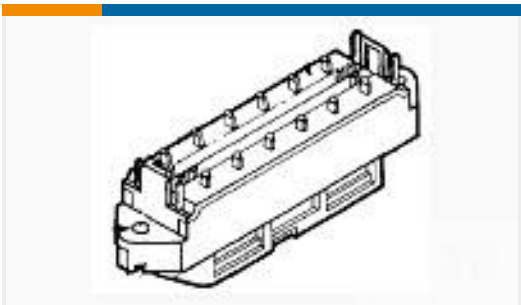
TE Model / Part #6658751-1
.8MM CHAMP, 50 POS, RCPT ASSY



TE Model / Part #5554726-1
SCREW,PAN HD, CPTV,SHLD CHAMP



TE Model / Part #229969-1
COVER,DUST,RCPT,RED,CHAMP



TE Model / Part #554090-1
RCPT ASSY,50 POS,PANEL MTG,LPF



TE Model / Part #1-1393143-5
27E152=SOCKET,R10,ASSY,W/BRK



TE Model / Part #554902-1
EMI RCPT ASSY,50 POSN,SHLD

Documents

Product Drawings

PLUG ASSY,50 POS,BAIL LOCK,LPF

English

CAD Files

Customer View Model

ENG_CVM_CVM_554085-1_L.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_554085-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_554085-1_L.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

CHAMP Latch Low Profile Connectors For Ribbon Cable

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English