



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



Connector & Housing Type: **Receptacle**

Solid Wire Size: **.65 mm²**

Stranded Wire Size: **22 AWG**

Shielded: **Yes**

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

Features

Contact Features

	30 µin
Contact Current Rating (Max)	1 A, .5 A
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Phosphor Bronze
Contact Options	Supplied – Uninstalled

Dimensions

	.045 in
Solid Wire Size	.65 mm ²
Stranded Wire Size	22 AWG

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Connector & Contact Terminates To	Wire & Cable
Connector Kit Type	Connector Kit
Connector Cover Type	Protective Cover

Operation/Application



Shielded	Yes
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Circuit Application	Signal
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Configuration Features

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

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

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

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

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Body Features

Cable Exit Angle	90°
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Connector Profile	Standard
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Cover Material	Thermoplastic
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Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Packaging Features

Packaging Method	Bag
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Packaging Quantity	1
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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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 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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(32)



Connector Hardware(28)



Connector Strain Relief(2)



Docking Connectors(24)

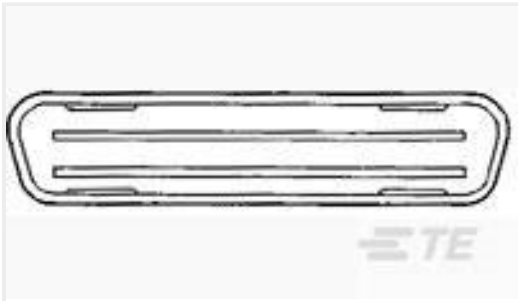


IDC D-Sub Connectors(55)

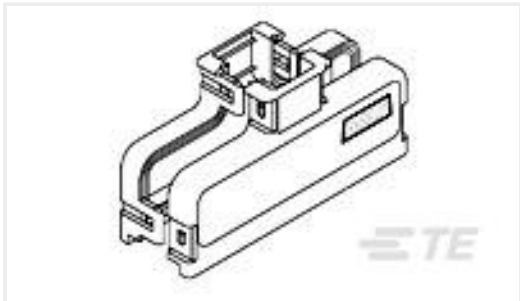
Customers Also Bought



TE Part #5552403-1
KIT, RCPT, 50 POS, CHAMP-LOK



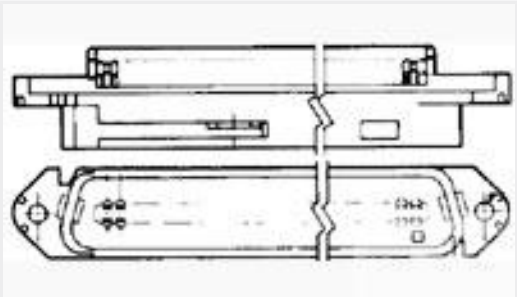
TE Part #229968-2
COVER, DUST, PLUG, BLUE, CHAMP



TE Part #569025-1
COVR,KIT,180DEG,64POS,0.610 CA



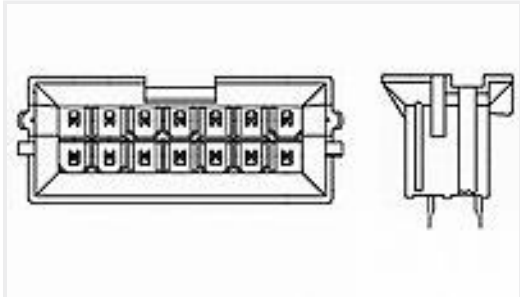
TE Part #NB18772001
RNF-100-1/16-BU-STK



TE Part #552303-1
ASSY, PLUG, 64 POS, C SLOT



TE Part #5552382-1
KIT, PLUG, 50 POS, C SLOT



TE Part #1-1586588-4
14P VAL-U-LOK BMI VRTHDR V0



TE Part #2266030-1
OCEAN_2.0_APPLICATOR-S-039F063F-RSM



TE Part #2836227-1
OCEAN_2.0_Applicator-S-090F110O-RSM



TE Part #552723-2
LATCH, LOCKING, CHAMP-LOK

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5552383-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_5552383-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5552383-1_A.3d_stp.zip

English

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