



CHAMP | CHAMP Docking Connectors

TE Internal #: 5555983-1

TE Internal Description: RCPT ASSY,36POS,SHLD,CHP-LTCH

IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm

[View on TE.com >](#)

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



Number of Positions: **36**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Panel**

Connector Mounting Type: **Panel Mount**

Centerline (Pitch): **2.16 mm [.085 in]**

[All IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm \(10\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	36
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Primary Product Color	Black
Shield Plating Material	Nickel
Connector Profile	Standard
Cover Material	Polyphenylene Oxide
Shield Material	Die Cast Metal

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Retention	With
Mating Retention Type	Bail Lock
Thread Size	4-40 UNC 2B
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Solid Wire Size	30 – 26 AWG
Stranded Wire Size	.08 mm ²

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
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

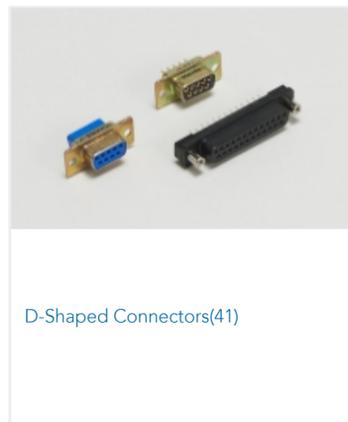
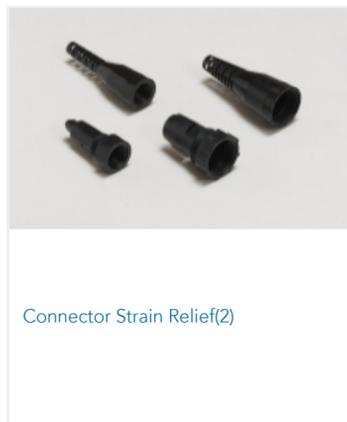
Product Compliance Disclaimer

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



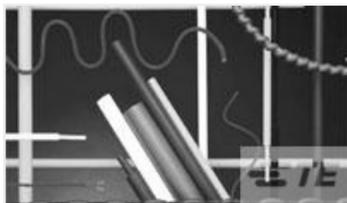
Also in the Series | CHAMP Docking Connectors





Panel Mount D-Sub Connectors(5)

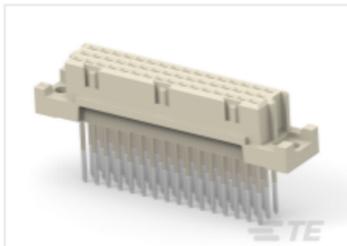
Customers Also Bought



TE Part #6823354001
CGPT-6/2-0-SP



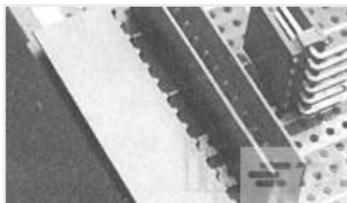
TE Part #254324-E
STVC/2 48 M ABC VVW 4-00 0606 **
247 E0



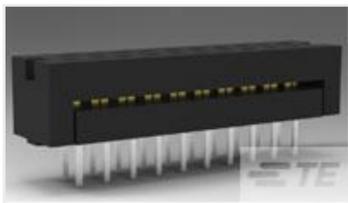
TE Part #284172-E
STVC/2 48 F ABC VVW 7-00 0606 13,0 *
247



TE Part #171825-2
2 POS EIS POST HDR



TE Part #281695-3
HEADER HE14 STRAIGHT 3 P



TE Part #2-746610-1
010 DIP PLUG 100CL TIN



TE Part #1-1623774-5
C14 10K 5% (LOOSE)



TE Part #1-1625892-3
3W SM M/OX 5% 12R



TE Part #1-2176331-4
CRGP 2512 120R 1%



TE Part #2176460-7
SMF 7W 2K0 5% Taped

Documents

Product Drawings

[RCPT ASSY,36POS,SHLD,CHP-LTCH](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_5555983-1_C.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_5555983-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5555983-1_C.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English