

554089-1 x OBSOLETE

CHAMP | CHAMP Docking Connectors

TE Internal #: 554089-1

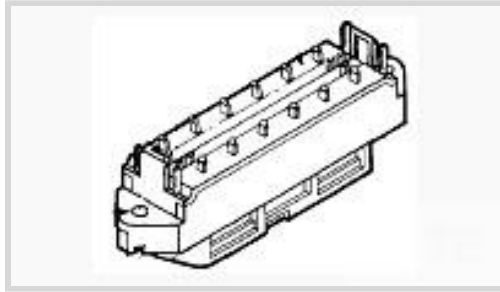
TE Internal Description: RCPT ASSY,36 POS,PANEL MTG,LPF

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

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



Connector & Housing Type: **Receptacle**

Solid Wire Size: **.05 – .13 mm²**

Stranded Wire Size: **.08 mm²**

[All IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm \(21\)](#)

Features

Product Type Features

Connector Classification	IDC
Profile	Low
Product Category	Connectors
Connector & Housing Type	Receptacle
Connector System	Cable-to-Panel
Connector Product Type	Connector Assembly
Sealable	No
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

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

Contact Features

	30 μin
Contact Mating Area Plating Material	Gold Flash, Gold Flash over Palladium

	Nickel
Contact Underplating Material	Nickel, Palladium 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	Panel Mount

Housing Features

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

Dimensions

Solid Wire Size	.05 – .13 mm ²
Stranded Wire Size	.08 mm ²
Wire Size	30 – 26 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: JUNE 2022
(224)Candidate List Declared Against: JUNE
2022 (224)

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>

Also in the Series | CHAMP Docking Connectors



D-Sub Covers(28)



D-Sub Locking & Mounting(29)



Docking Connector Guide Hardware(5)



Docking Connectors(31)



IDC D-Sub Connectors(79)



PCB D-Sub Connectors(1)

Documents

Product Drawings

RCPT ASSY,36 POS,PANEL MTG,LPF

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_554089-1_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_554089-1_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_554089-1_K.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

CHAMP Latch Low Profile Connectors For Ribbon Cable

English

Agency Approvals

CSA Certificate

English