

2-552273-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

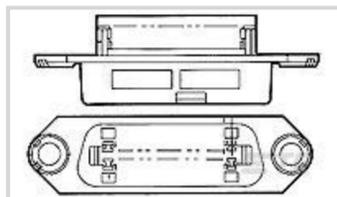
TE Internal #: 2-552273-1

24 Position D-Shaped Connector, Receptacle, Cable-to-Cable, Cable Mount (Free-Hanging), 2.16 mm [.085 in] Centerline, CHAMP Docking Connectors

[View on TE.com >](#)



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



Number of Positions: **24**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Cable Mount (Free-Hanging)**

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-Cable |
| Connector Product Type | Connector Assembly |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|-----------------------------------|-------------------------------------|
| Number of Positions | 24 |
| Number of Rows | 2 |
| Compatible With Wire & Cable Type | Discrete Wire, Round Jacketed Cable |

Body Features

| | |
|-----------------------|----------|
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|--|--------------------------|
| Contact Underplating Material | Palladium Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material Thickness | .76 μ m[30 μ in] |
| Contact Current Rating (Max) | 3.5 A |



| | |
|-----------------|-----------|
| Contact Options | Installed |
|-----------------|-----------|

Termination Features

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|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|-----------------------|-----------------------|
| Mating Retention Type | Bail Lock, Screwlocks |
|-----------------------|-----------------------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 2.16 mm [.085 in] |
|--------------------|-------------------|

Dimensions

| | |
|-----------------|-------------|
| Solid Wire Size | 26 – 24 AWG |
|-----------------|-------------|

| | |
|--------------------------------------|-------------------|
| Compatible Insulation Diameter (Max) | 1.14 mm [.045 in] |
|--------------------------------------|-------------------|

| | |
|--------------------|---------------------|
| Stranded Wire Size | .33 mm ² |
|--------------------|---------------------|

| | |
|-----------|-------------|
| Wire Size | 26 – 24 AWG |
|-----------|-------------|

Usage Conditions

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

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) |
|--|--|



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

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

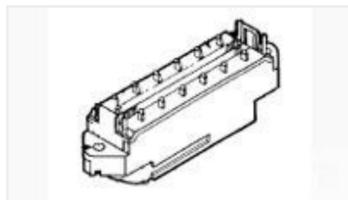
Solder Process Capability

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 # 554103-1
PLUG ASSY,24 POSN,PNL MTG,L PF



TE Part # 229384-1
TOOL, INSERTION, HAND, T-GRIP



TE Part # 554088-1
RCPT ASSY,24 POS,PANEL MTG,LPF

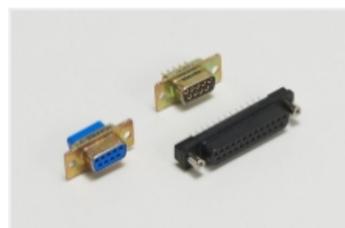
Also in the Series | CHAMP Docking Connectors



Connector Caps & Covers(27)



Connector Hardware(26)



D-Shaped Connectors(41)



IDC D-Sub Connectors(41)



Panel Mount D-Sub Connectors(5)

Customers Also Bought

TE Part #TRA9023P
OMNI,SB,Ph,902-928MHZ 3,PMTTE Part #TRA6927M3PBN-001
OMNI,Ph,PMT,698/1710MHz BK,,
100W,NGPTE Part #229384-1
TOOL, INSERTION, HAND, T-GRIPTE Part #230238-1
EXTRACTORTE Part #552076-1
KIT, COVER, 180 DEG, 24 POSTE Part #552272-1
ASSY, PLUG, 24 POS, B SLOT

Documents

Product Drawings

ASSY, RCPT, 24 POS, B SLOT

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-552273-1_S.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-552273-1_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-552273-1_S.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English