

229975-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

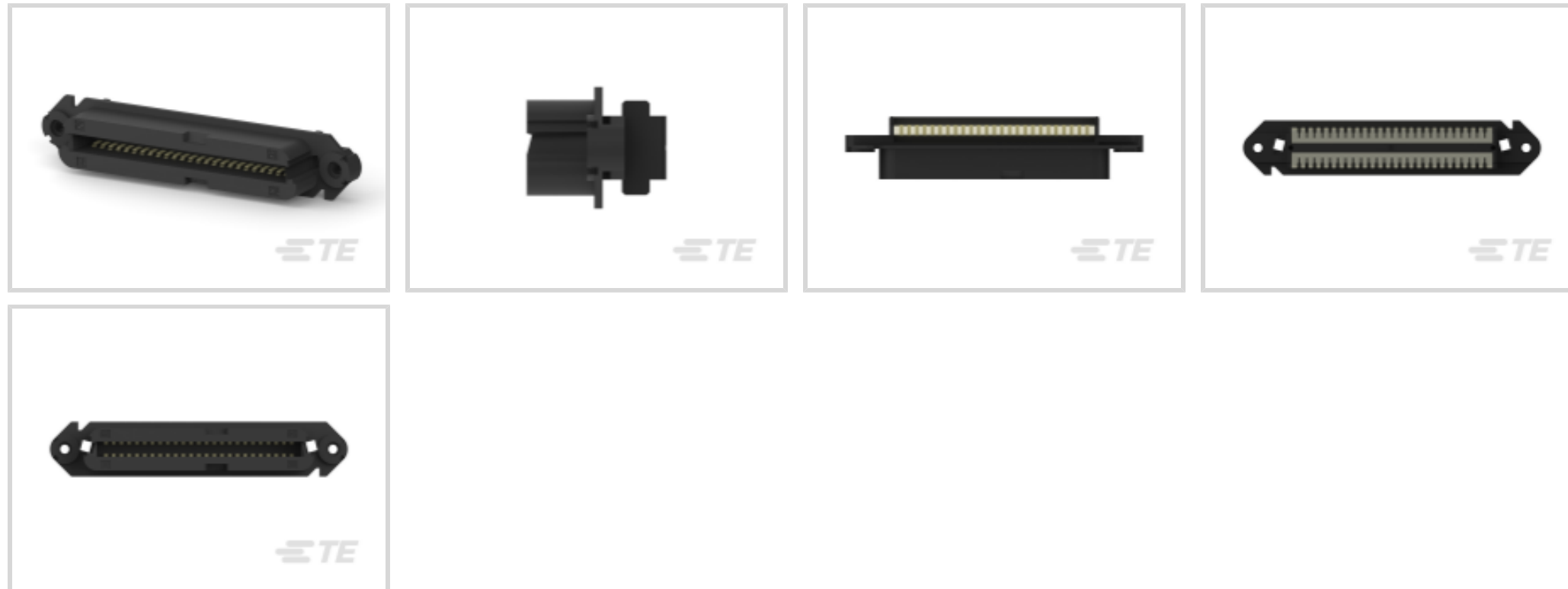
TE Internal #: 229975-1

CHAMP Docking Connectors, IDC D-Sub Connectors, Receptacle, Cable-to-Cable / Cable-to-Panel, 14 / 24 / 36 Position, 2.16mm [.085in] Centerline, 2 Row

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

Shielded: **No**

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

Number of Positions: **14, 24, 36, 50, 64**

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

[All IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm \(25\)](#)

Features

Product Type Features

Connector Classification	IDC
Profile	Standard
Slot Type Letter Code	B
Product Category	Connectors
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable, Cable-to-Panel
Connector Product Type	Connector Assembly
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	14, 24, 36, 50, 64
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Ribbon Cable, Round



Jacketed Cable

Body Features

Color	Black
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Contact Features

Contact Mating Area Plating Thickness	.76 μm [30 μin]
Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Palladium Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A, 3.5 A

Mechanical Attachment

Flange Thickness	Thick
Mating Connector Lock	With
Mating Connector Lock Type	Screwlocks
Panel Mount Feature	Without
Screw & Hole Thread Size	4-40 UNC 2B
Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount

Housing Features

Housing Material	Thermoplastic
Housing Color Dot Designation	Blue
Centerline (Pitch)	2.16 mm[.085 in]

Dimensions

Insulation Diameter (Max)	1.14 mm[.045 in]
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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 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 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

 <p>TE Part # CAT-357-D65015 IDC D-Sub: Receptacle Kit, Signal, 50, 2.16 mm</p>	 <p>TE Part # CAT-357-D65015 IDC D-Sub: Connector Kit, Plug, Signal, 2.16 mm</p>	 <p>TE Part # CAT-357-D658 IDC D-Sub: Plug Assembly, Signal, Cable to Cable, 2.16 mm</p>	 <p>TE Part # CAT-357-D601 IDC D-Sub: Receptacle Assembly, Signal, 2.16 mm</p>
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TE Part # 229378-1
ASSY, MI-1 TOOL, STD 14-50 POSN



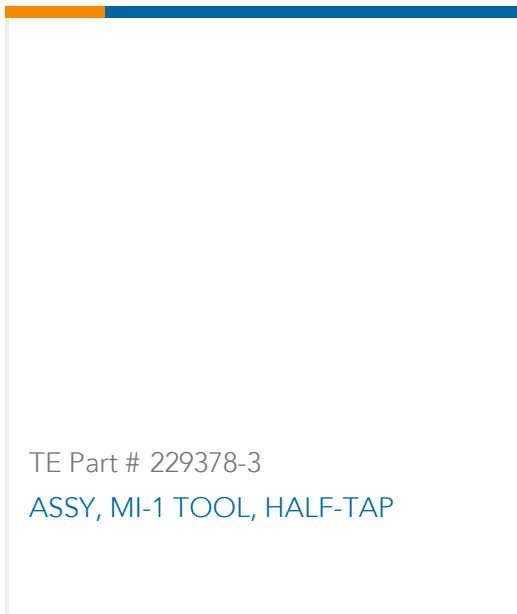
TE Part # 5552705-1
WEAR ADPT ASSY, PLUG/RCPT, 50



TE Part # 229451-2
PALM GRIP TOOL & 50 POSN SLIDE



TE Part # 229764-2
KIT, ACCSRY, PALM GRIP & ALL POS

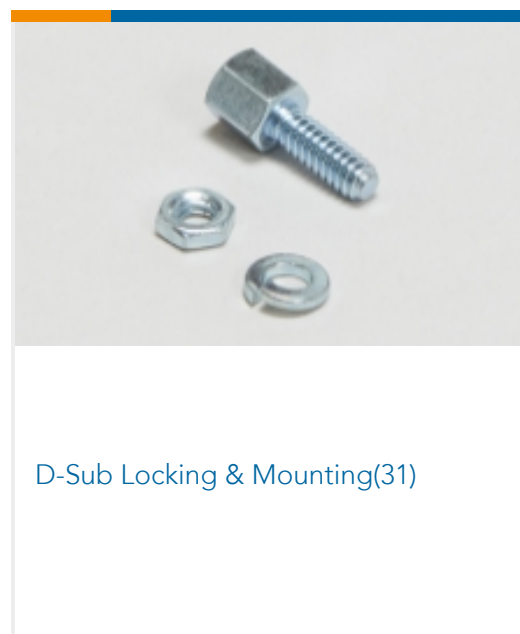


TE Part # 229378-3
ASSY, MI-1 TOOL, HALF-TAP

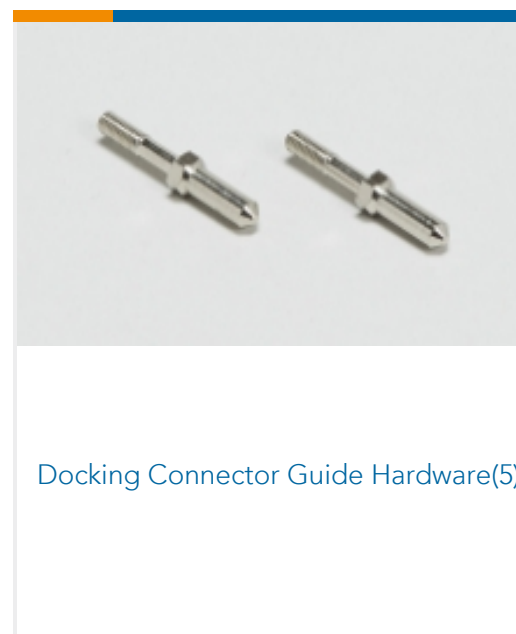
Also in the Series | CHAMP Docking Connectors



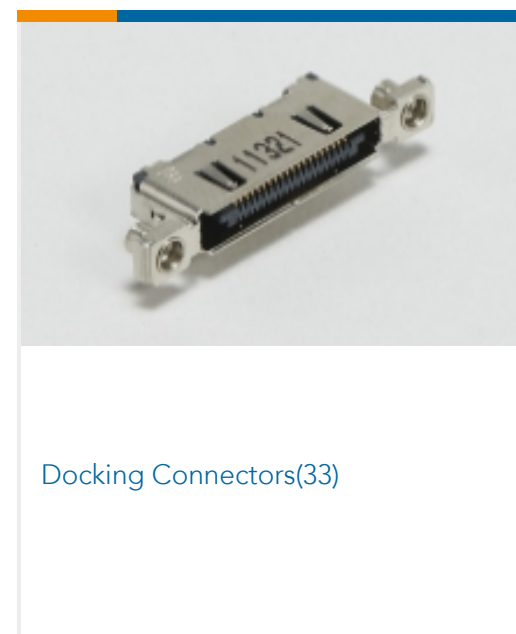
D-Sub Covers(27)



D-Sub Locking & Mounting(31)



Docking Connector Guide Hardware(5)



Docking Connectors(33)



IDC D-Sub Connectors(85)



PCB D-Sub Connectors(1)

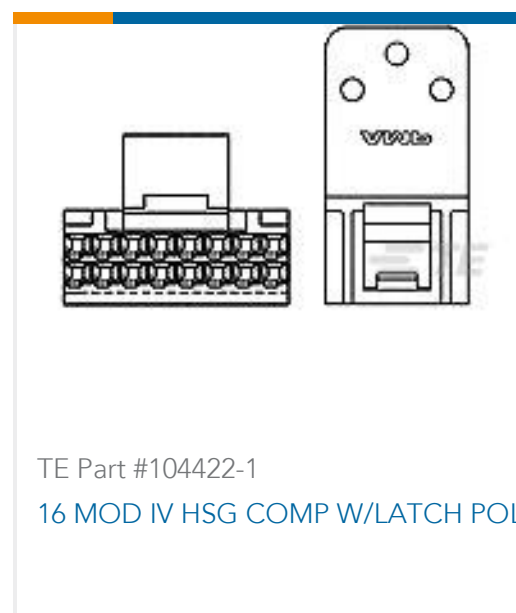
Customers Also Bought



TE Part #229378-1
ASSY, MI-1 TOOL, STD 14-50 POSN



TE Part #5749202-2
50 50SR KIT, 75D, UK



TE Part #104422-1
16 MOD IV HSG COMP W/LATCH POL



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



TE Part #229913-1
KIT, RCPT, 50 POS, B SLOT



TE Part #2-552008-1
KIT, COVER, 180, 50 POS



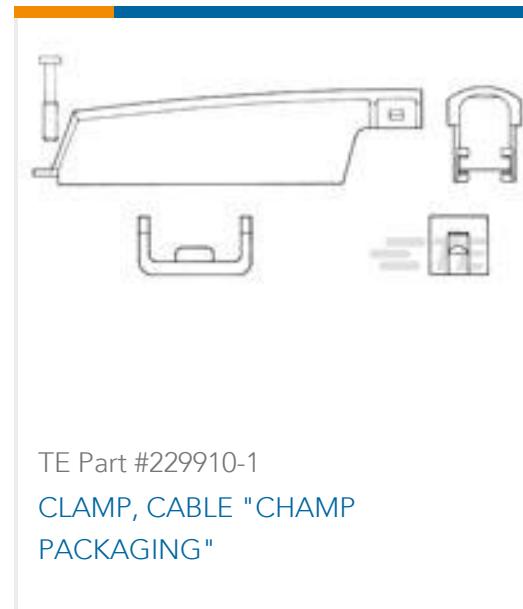
TE Part #229968-1
COVER,DUST,PLUG,BLUE,CHAMP



TE Part #1-770253-0
UMNLII SOK PTPPHBZ LP LF 24-18



TE Part #229909-1
COVER,TAPERED,90DEG "CHAMP
PKG"



TE Part #229910-1
CLAMP, CABLE "CHAMP
PACKAGING"

Documents

Product Drawings

[ASSY,RCPT,50POS,B SLOT,BLK HSG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_229975-1_AB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_229975-1_AB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_229975-1_AB.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)



English

[UL Report](#)

English

[UL Report](#)

English