



Connectors > Dock Connectors & Guide Hardware > Docking Connectors



Docking Connector Style: **Receptacle**

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

Number of Positions: **200**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **8**

Features

Product Type Features

Grounding Options	Panel Ground
Ground Component Type	Grounding Plate
Docking Connector Style	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	200
Number of Rows	8
Number of Signal Positions	200
Number of Power Positions	0
PCB Mount Orientation	Right Angle

Body Features

Ground Plate Material	Stainless Steel
Shell Base Material	Carbon Steel

Contact Features

	30 μin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Number of Utility Contacts	0
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Contact Current Rating (Max)	.5 A
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Termination Features

Termination Post & Tail Length	2.49 mm[.01 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

PCB Mount Alignment	Without
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PCB Mount Retention Type	Boardlock
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PCB Mount Retention	With
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Polyester
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Housing Color	Natural
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Centerline (Pitch)	1.27 mm[.05 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	24
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Packaging Method	Tray
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	
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Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (3.5% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°C

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

[200 50SR CMP LP R/A RCPT DOCK](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5787851-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5787851-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5787851-1_O.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[CHAMP .050 Series Low Profile Docking Connectors](#)

English