

1903260-1 ✓ ACTIVE

CHAMP | CHAMP Docking Connectors

TE Internal #: 1903260-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 42 Position, .64 mm [.025 in] Centerline, 2 Row, Rectangular, CHAMP Docking Connectors

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **42**

Centerline (Pitch): **.64 mm [ .025 in ]**

Number of Rows: **2**

### Features

#### Product Type Features

Center Ground Plate	Without
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Classification	Connector - Board-to-Board
Product Type	Connector
Product Category	Connectors - Printed Circuit Board

#### Configuration Features

Stacked	No
Number of Signal Positions	42
Number of Positions	42
Number of Rows	2
PCB Mount Orientation	Right Angle
Preloaded	Yes

#### Body Features

Connector Profile	Standard
Post Size	.27 mm



### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Shape & Form	Rectangular
Contact Current Rating (Max)	.5 A

### Termination Features

Termination Method to Printed Circuit Board	Surface Mount
Termination Post Length	1.4 mm

### Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Mounting Holes
Connector Mounting Type	Board Mount
Mounting Angle	Right Angle
Mounting Hole Diameter	2.5 mm

### Housing Features

Centerline (Pitch)	.64 mm [.025 in]
Housing Material	Thermoplastic
Housing Color	Black

### Usage Conditions

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
-----------------------------	----------------------------

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

### Packaging Features

Packaging Method	Piece/Reel, Reel
Packaging Quantity	800



## 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°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>

## Compatible Parts



Also in the Series | **CHAMP Docking Connectors**



D-Sub Covers(28)



D-Sub Locking &amp; Mounting(29)



Docking Connector Guide Hardware(5)



Docking Connectors(31)



IDC D-Sub Connectors(79)



PCB D-Sub Connectors(1)

## Documents

### Product Drawings

#### EMBOSS ASSY FOR 0.635 BAY CONN REC

Japanese

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_1903260-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1903260-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1903260-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

#### Product Specification

Japanese

#### 0.635mm Pitch Bay Connector LF

Japanese