

5406874-1 ✓ ACTIVE

## CHAMP

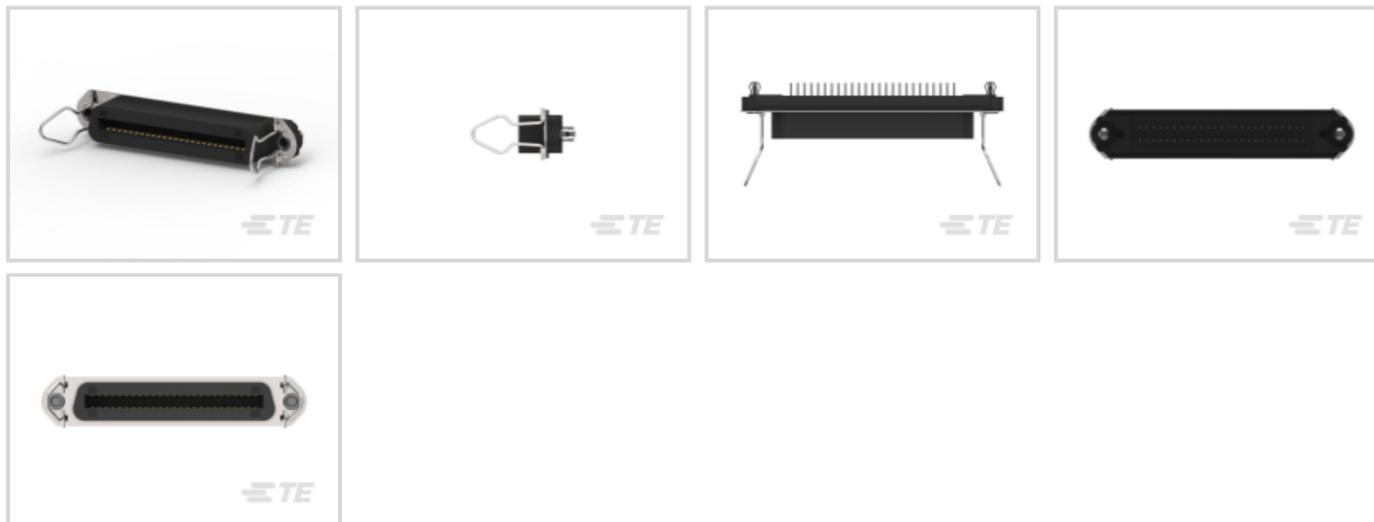
TE Internal #: 5406874-1

50 Position D-Shaped Connector, Receptacle, Board-to-Board,  
Board Mount, 2.16 mm [.085 in] Centerline, Printed Circuit Board,  
Signal

[View on TE.com >](#)



Connectors > D-Shaped Connectors



Number of Positions: **50**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

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

### Features

#### Product Type Features

Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

#### Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

#### Body Features

Assembly Process Feature Material	Copper Alloy
Shield Plating Material	Nickel
Shield Material	Carbon Steel
Primary Product Color	Black
Connector Profile	Low

#### Contact Features



Contact Mating Area Plating Material Thickness	.76 $\mu$ m
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Options	Installed

### Termination Features

Rectangular Termination Post & Tail Width	.6 mm[.023 in]
Rectangular Termination Post & Tail Thickness	.48 mm[.018 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.68 mm[.145 in]

### Mechanical Attachment

Panel Attachment Style	Rear Mount
Mounting Hole Diameter	3.25 mm[.128 in]
Assembly Process Feature Plating Material	Tin over Nickel
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Bail Lock

### Housing Features

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

### Dimensions

Row-to-Row Spacing	4.06 mm[.16 in]
--------------------	-----------------

### Operation/Application

Shielded	Yes
Circuit Application	Signal

### Packaging Features

Packaging Quantity	7
Packaging Method	Tray

### 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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>

## Compatible Parts



## Customers Also Bought



TE Part #816544-SF  
RN212-0.8-02-10M



TE Part #178328-2  
DYNAMIC D-3 HDR ASSY V 20P PdNI & Au



TE Part #2-640506-4  
36P MR HDR ASSY VO LF



TE Part #1-770166-0  
02P MINI-UMNL ASSY VO SNNI\*



TE Part #3-1461491-6  
PCN-124D3MHZ,000



TE Part #1571999-4  
ADP02STR04=PIANO DIP SWITCH



TE Part #1622535-1  
LR1 1% 5R1



TE Part #1622545-1  
LR1 1% 680R



TE Part #1825057-5  
ADE0604=DIP SWITCH,EXT,THRU/HL



TE Part #4-5175475-0  
CHAMP 050 B/B REC V W/LEG 100P

## Documents

### Product Drawings

[ASSY,RCPT,50POS,SHD,LPF,V/MTG](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5406874-1\\_O.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5406874-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5406874-1\\_O.3d\\_stp.zip](#)

English

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

## Agency Approvals



[UL Report](#)

English