

5796055-1 ✓ ACTIVE

## CHAMP | CHAMP .8 mm Connector

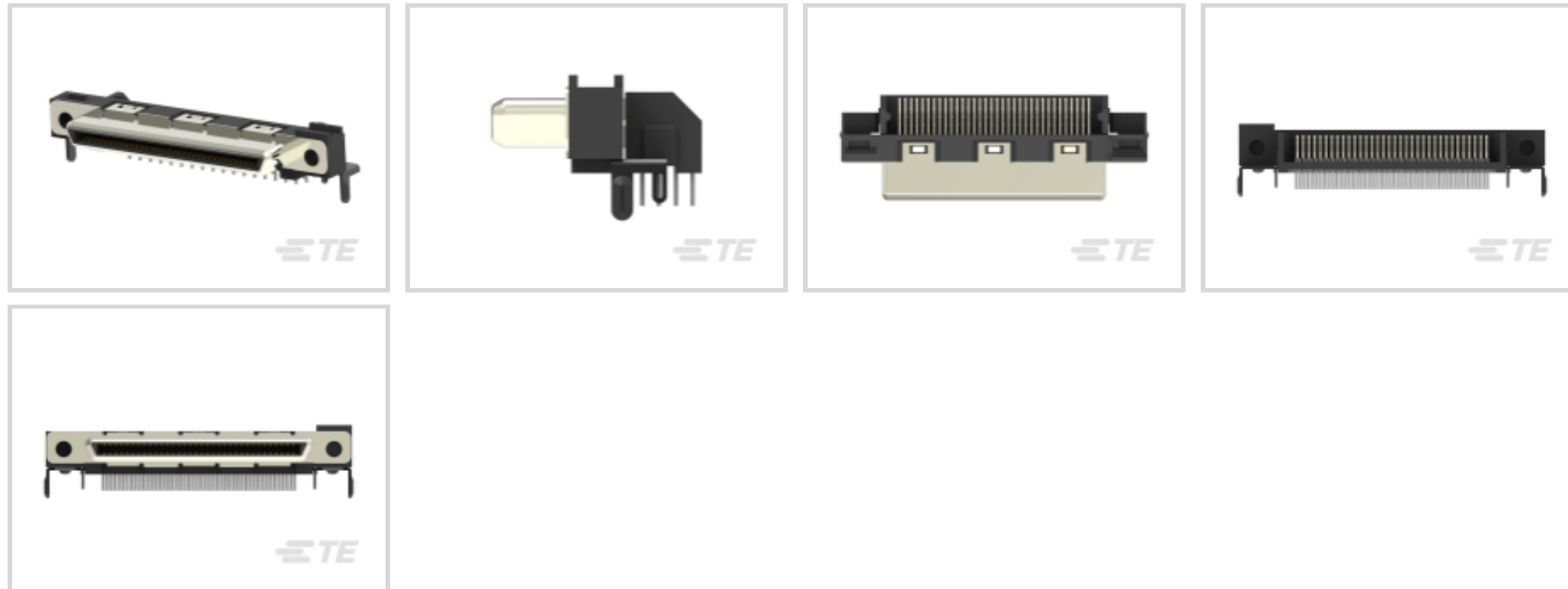
TE Internal #: 5796055-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 68 Position, .8 mm [.031 in] Centerline, 4 Row, High Profile, Right Angle, CHAMP .8 mm Connector

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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **68**

Centerline (Pitch): **.8 mm [.031 in]**

Number of Rows: **4**

### Features

#### Product Type Features

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

#### Configuration Features

|                            |             |
|----------------------------|-------------|
| Number of Signal Positions | 68          |
| Number of Positions        | 68          |
| Number of Rows             | 4           |
| PCB Mount Orientation      | Right Angle |

#### Body Features

|                                   |                    |
|-----------------------------------|--------------------|
| Assembly Process Feature Material | Steel              |
| Insert Material                   | Thermoplastic      |
| Shell Plating Material            | Nickel over Copper |
| Primary Product Color             | Black              |
| Connector Profile                 | High               |



### Contact Features

|  |  |
|--|--|
| Contact Mating Area Plating Material Thickness | .76 $\mu\text{m}$ [30 $\mu\text{in}$ ] |
| Contact Mating Area Plating Material           | Gold                                   |
| PCB Contact Termination Area Plating Material  | Tin                                    |
| Contact Base Material                          | Phosphor Bronze                        |
| Contact Current Rating (Max)                   | 1.5 A                                  |

### Termination Features

|   |                       |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in]        |
| Rectangular Termination Post & Tail Width     | .3 mm[.011 in]        |
| Termination Post & Tail Length                | 2.27 mm[.089 in]      |
| Termination Method to Printed Circuit Board   | Through Hole - Solder |

### Mechanical Attachment

|   |             |
|---|-------------|
| Assembly Process Feature Plating Material | Tin         |
| Mounting Hole Diameter                    | 1.2 mm      |
| PCB Mount Alignment                       | With        |
| PCB Mount Retention                       | With        |
| PCB Mount Retention Type                  | Boardlock   |
| Mating Retention                          | With        |
| Mating Retention Type                     | Screwlocks  |
| Connector Mounting Type                   | Board Mount |

### Housing Features

|                    |                |
|--------------------|----------------|
| Shell Material     | Carbon Steel   |
| Housing Material   | Thermoplastic  |
| Centerline (Pitch) | .8 mm[.031 in] |

### Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in]  |
| Row-to-Row Spacing          | 1.15 mm[.045 in] |

### Usage Conditions

|                             |   |
|-----------------------------|---|
| Operating Temperature Range | -55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$ ] |
|-----------------------------|---|

### Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | Yes    |
| Circuit Application | Signal |



### Industry Standards

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

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 32  |
| Packaging Method   | Box |

### Other

|                             |                     |
|-----------------------------|---------------------|
| D-Shaped Connectors Comment | Row 1 - kinked legs |
|-----------------------------|---------------------|

### 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                      |
| Solder Process Capability                     | Reflow solder capable to 260°C  |

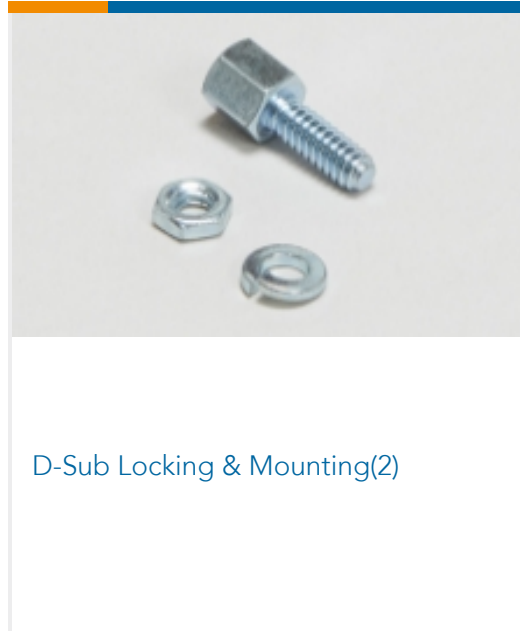
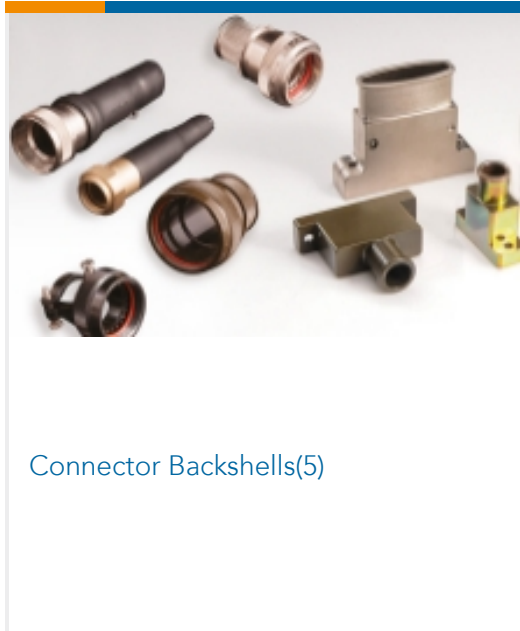
#### Product Compliance Disclaimer

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>

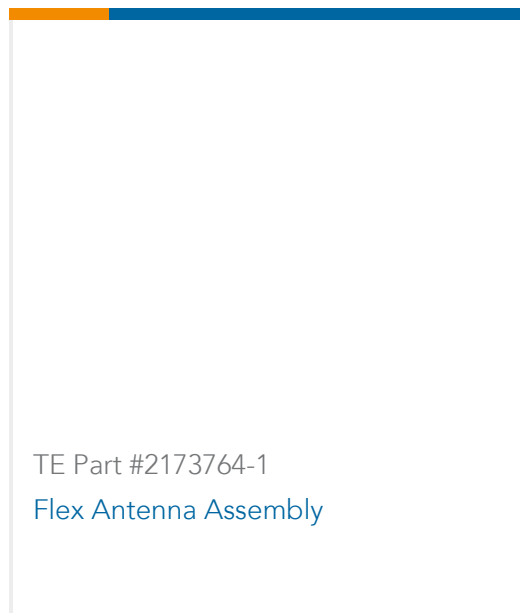
### Compatible Parts



## Also in the Series | CHAMP .8 mm Connector



## Customers Also Bought





## Documents

### Product Drawings

[68 CHAMP R/A ASSY,LC](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5796055-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5796055-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5796055-1\\_C.3d\\_stp.zip](#)

English

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

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Mass Termination Tooling Assembly 543580-1 & Cutter Subassembly 543610](#)

English