

5787973-1 ✓ ACTIVE

## CHAMP | CHAMP .8 mm Connector

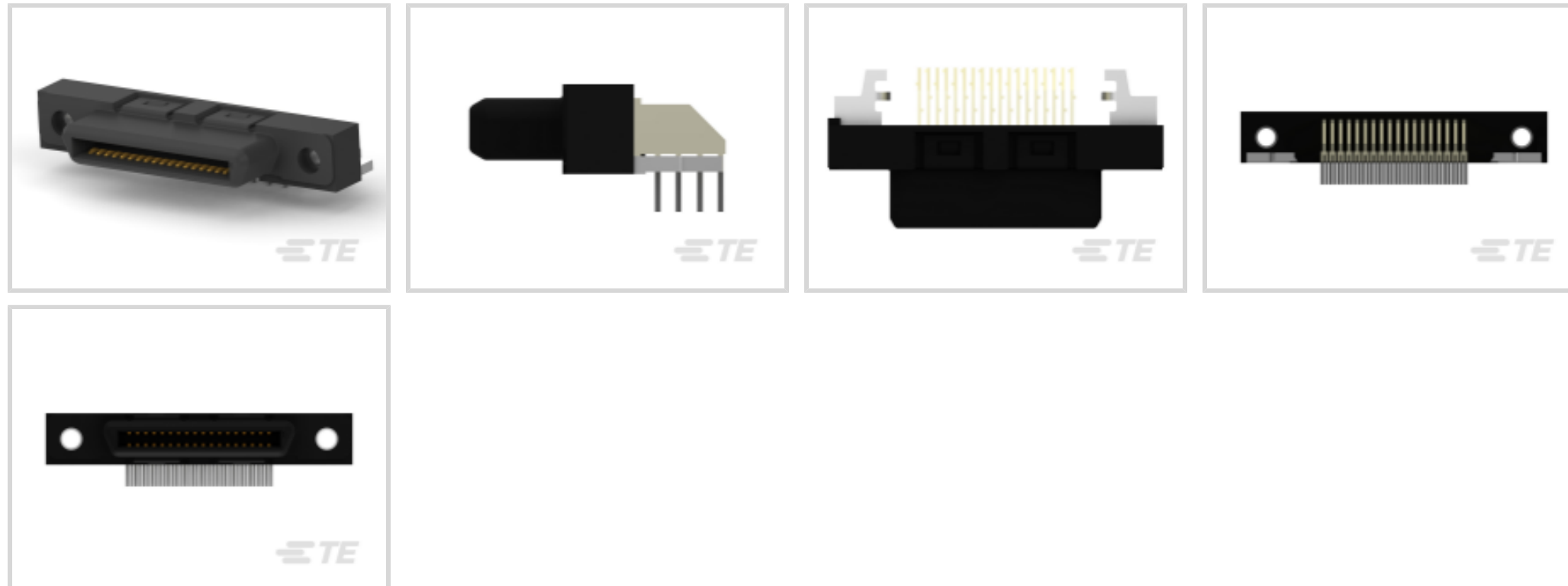
TE Internal #: 5787973-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 36 Position, .8 mm [.031 in] Centerline, 2 Row, Low 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: **36**

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

Number of Rows: **2**

### 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	36
Number of Positions	36
Number of Rows	2
PCB Mount Orientation	Right Angle

#### Body Features

Assembly Process Feature Material	Brass
Insert Material	Thermoplastic
Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Low



### 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)	.3 A, .5 A, 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	2.1 mm[.083 in]
Termination Method to Printed Circuit Board	Surface Mount, Through Hole - Solder

### Mechanical Attachment

Assembly Process Feature Plating Material	Tin-Lead over Nickel
Mounting Hole Diameter	1.2 mm
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Retention Leg
Mating Retention	With
Mating Retention Type	Mounting Holes
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
Row-to-Row Spacing	1.15 mm[.045 in]

### Usage Conditions

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

Shielded	Yes
Circuit Application	Signal



### Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	48
Packaging Method	Package

### 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 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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 260°C

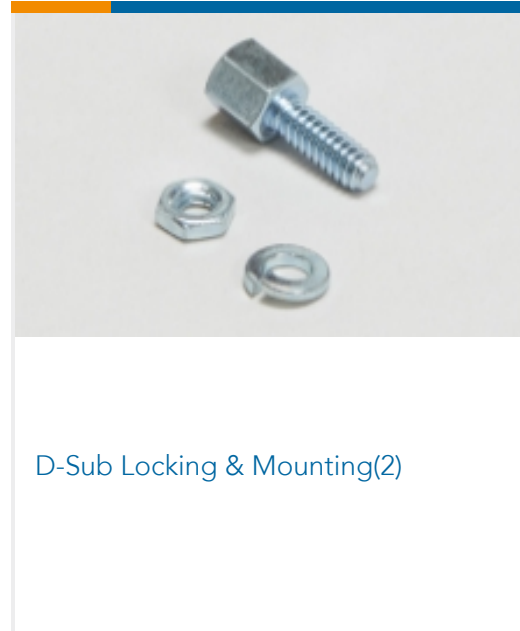
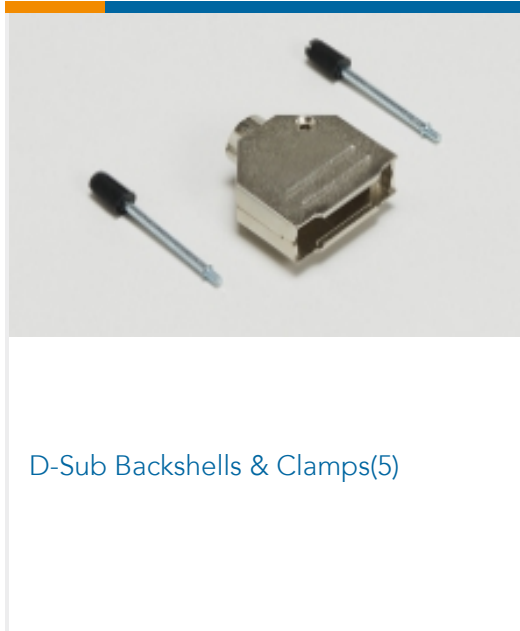
#### Product Compliance Disclaimer

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>

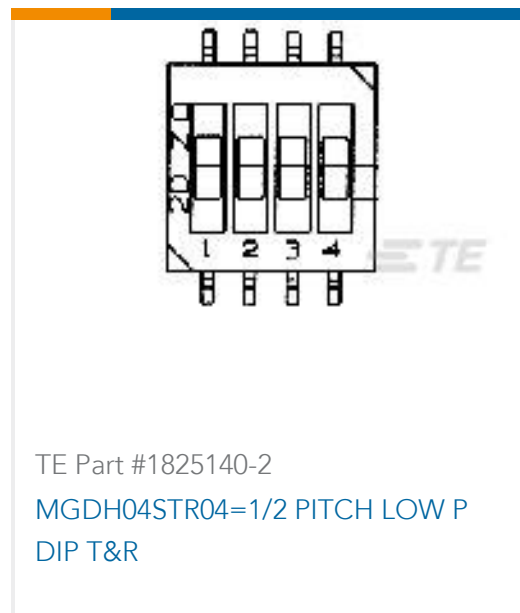
### Compatible Parts



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



## Customers Also Bought





## Documents

### Product Drawings

[36 .8MM CHAMP RCPT ASSY](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5787973-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787973-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787973-1\\_A.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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### Instruction Sheets

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

English

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

English

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

English