

5796055-1 ✓ ACTIVE

CHAMP | CHAMP .8 mm Connector

TE Internal #: 5796055-1

68 Position D-Shaped Connector, Receptacle, Cable-to-Board,
Board Mount, .8 mm [.031 in] Centerline, Printed Circuit Board,
CHAMP .8 mm Connector

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Connectors > D-Shaped Connectors



Number of Positions: **68**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

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

Features

Product Type Features

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

Configuration Features

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 μm [30 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A
Contact Options	Installed

Termination Features

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

Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
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 $^{\circ}\text{F}$]
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Operation/Application

Shielded	Yes
Circuit Application	Signal



Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	32
Packaging Method	Box

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

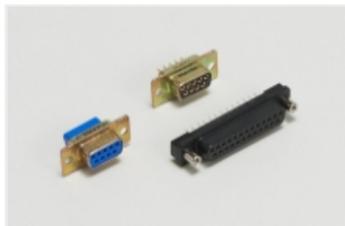


TE Part # 5787775-1
68 .8MM CHAMP OFFSET CBL KIT

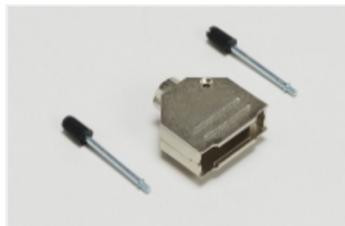
Also in the Series | CHAMP .8 mm Connector



Connector Hardware(2)



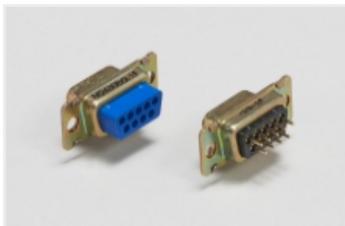
D-Shaped Connectors(12)



D-Sub Backshells & Clamps(5)



IDC D-Sub Connectors(3)

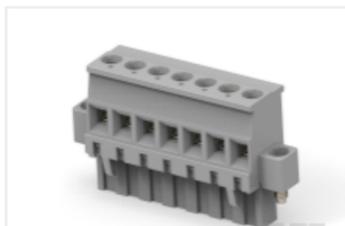


Panel Mount D-Sub Connectors(4)

Customers Also Bought



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS



TE Part #1546707-1
7P TERMI-BLOK PLUG,GRAY,MARKED



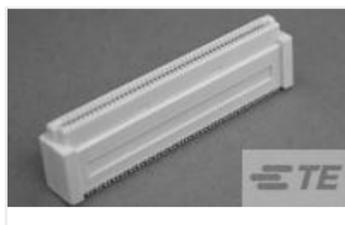
TE Part #5-1625867-4
RP 1J 0.166W 22R1 0.1% 25PPM 1K RL



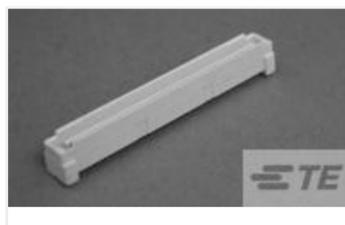
TE Part #4-1879629-6
H4P 125R 0.05% 25PPM RL



TE Part #1888971-4
QSFP TB CAGE ASSY, W/LP, NO HS



TE Part #5084618-2
0.8FH,R13H.5,060,30/Sn,TR,SC



TE Part #7-5177986-2
0.8FH,P07H.5,060,30/Sn,TR,SC



TE Part #5555140-4
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD



Documents

Product Drawings

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

English

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

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English

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

English

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

English

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

English