



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

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
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	3.55 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mounting Hole Diameter	1.2 mm
PCB Mount Alignment	Without
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)	2.35 mm
Row-to-Row Spacing	1.15 mm[.045 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
-----------------------------	---------------------------

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

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



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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

TE Part # 5796055-3
68 CHAMP R/A ASSY,LC



Also in the Series

CHAMP .8 mm Connector

Connector Backshells(5)

Connector Hardware(2)

IDC D-Sub Connectors(3)

PCB D-Sub Connectors(8)

Customers Also Bought

TE Part #5787131-3
68 .8MM CHAMP PLUG KIT

TE Part #53123-2
TERMINAL,SOLIS SPR SPD 16-14 6

TE Part #4-1879215-7
CPF 0402 13K3 0.1% 25PPM 1K RL

TE Part #323096
SOLIS R 22-16 COMM 22-18 MIL 4

TE Part #53126-2
TERMINAL,SOLIS SPR SPD 12-10 6

TE Part #TCD14741111-005
M12D4-MS-RJ-PVC-22SH-TYPE B
GREEN-5.0M

TE Part #2-35476-1
TERMINAL,SOLIS R 12-10 6

TE Part #4-2232043-8
8P, RAST 5 Tab Header, THV

TE Part #2425578-1
Edge mount, right angle tactile, 160gf

TE Part #1424287-1
AIR FEED CABLE ASSY.

Documents

Product Drawings

68 CHAMP R/A ASSY,LC

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_5796055-2_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5796055-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5796055-2_C.3d_stp.zip](#)

English

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

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