5796055-1 ✔ ACTIVE

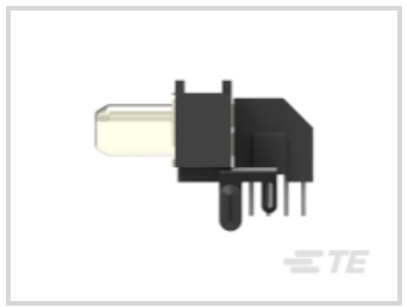
CHAMP | CHAMP .8 mm Connector

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

View on TE.com >

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 °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

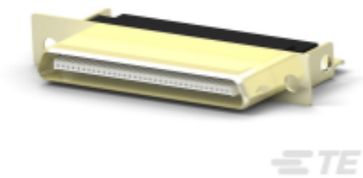
For compliance documentation, visit the product page on TE.com>

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: 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 OFSET CBL KIT

Also in the Series | CHAMP .8 mm Connector



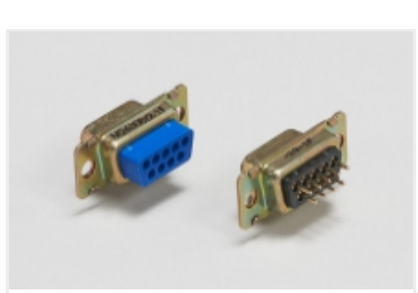
Connector Backshells(5)



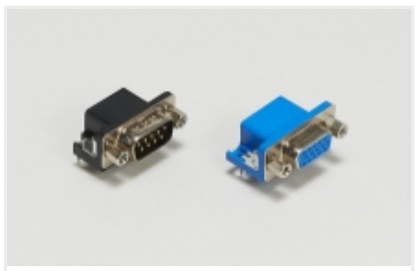
Connector Hardware(2)



IDC D-Sub Connectors(3)



Panel Mount D-Sub Connectors(4)



PCB D-Sub Connectors(9)

Customers Also Bought



TE Part #254273-E
SMCB 12 M AB VV 7-03 CL * 0007 137 E004



TE Part #499786-6
026 UNIV HDR RA 4S 15DP STD L1



TE Part #4-1879021-1
SMW3 4R7 5%



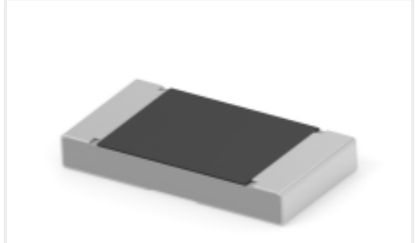
TE Part #2170703-4
CAGE ASSEMBLY, QSFP28 1X1, SPRING



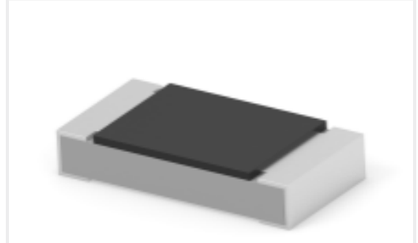
TE Part #2170704-9
CAGE ASSY, QSFP28 1X1, SPRING, HS



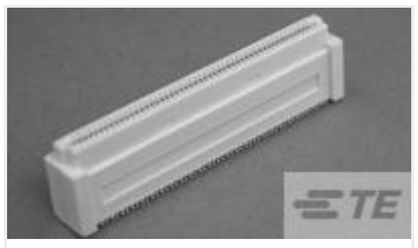
TE Part #8-2176089-9
RP 1J 0.166W 97K6 0.1% 25PPM 1K RL



TE Part #6-2176527-5
3503G 2B 2K55 1% 5K RL



TE Part #5-2176577-2
RLC73K 2B R191 1% 5K RL



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



TE Part #826656-1
1P MOD2 STIFT LEI

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

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

Instruction Sheet (U.S.)

English