



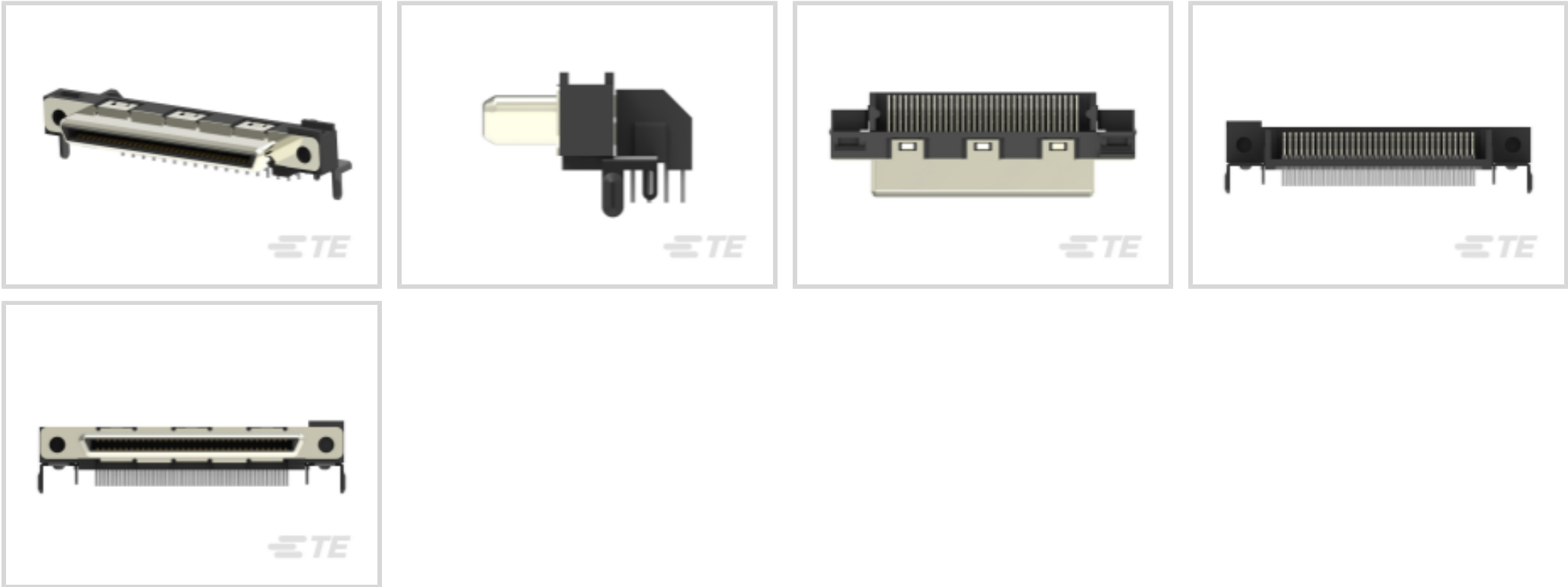
CHAMP | CHAMP .8 mm Connector

TE Internal #: 5796055-1

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

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

Housing Features

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

Dimensions

Row-to-Row Spacing	1.15 mm[.045 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
Body Features	
Connector Profile	High
Assembly Process Feature Material	Steel
Insert Material	Thermoplastic
Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Mechanical Attachment	
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Screwlocks
Connector Mounting Type	Board Mount
Mounting Hole Diameter	1.2 mm
PCB Mount Alignment	With
Assembly Process Feature Plating Material	Tin
Contact Features	
Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Options	Installed
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Operation/Application	
Circuit Application	Signal
Shielded	Yes
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Other	
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
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]

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 Backshells(5)



Connector Hardware(2)



IDC D-Sub Connectors(3)

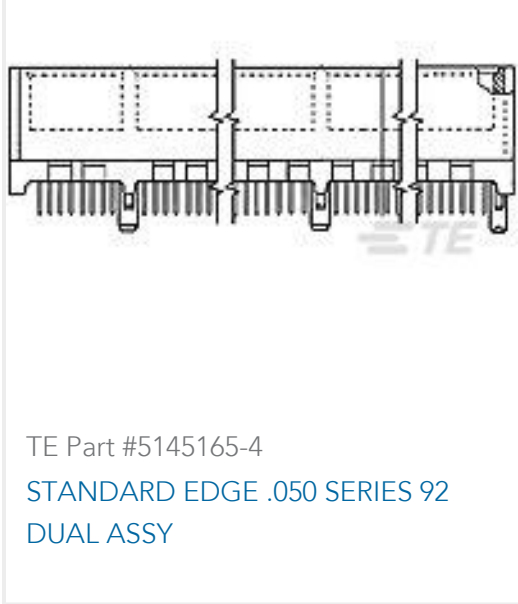


PCB D-Sub Connectors(8)

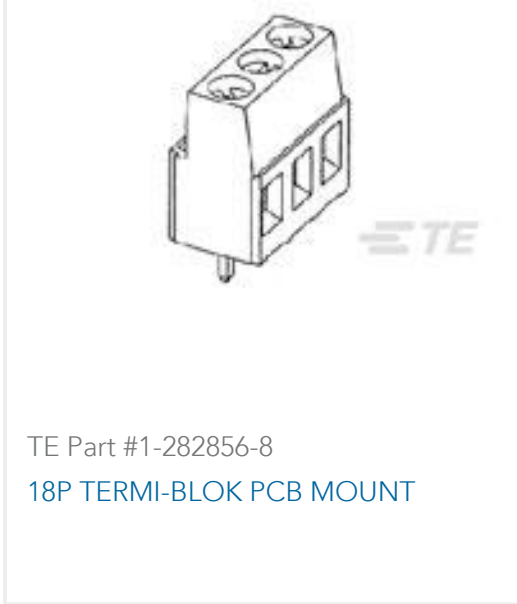
Customers Also Bought



TE Part #1-1462038-1
IM01NS=IM RELAY 140mW 3V



TE Part #5145165-4
STANDARD EDGE .050 SERIES 92
DUAL ASSY



TE Part #1-282856-8
18P TERMI-BLOK PCB MOUNT



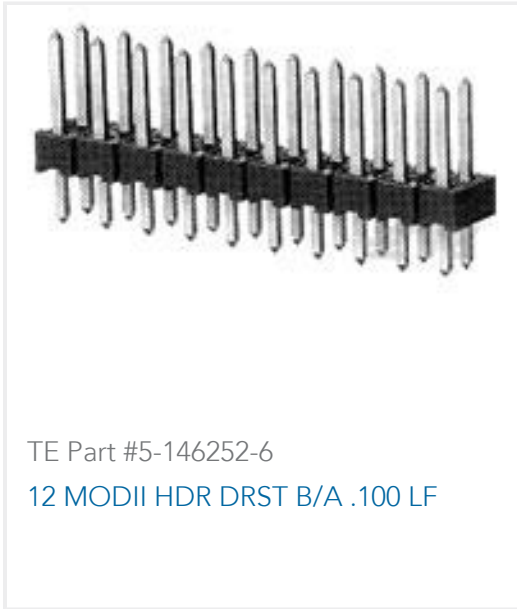
TE Part #2319757-1
DUAL LGA,257 POS, DMD SOCKET



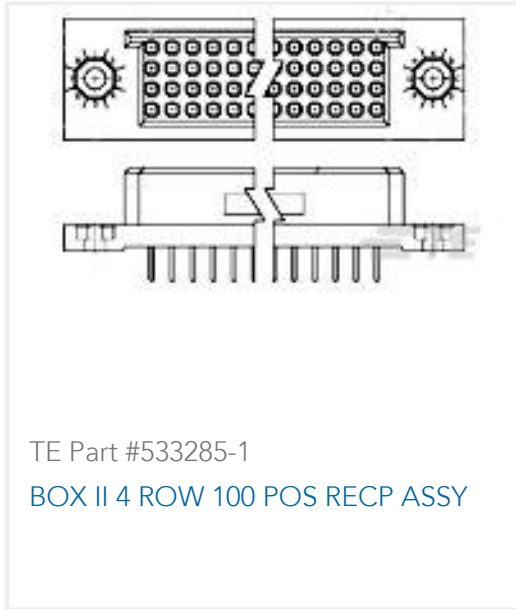
TE Part #2365497-5
EP2.5 single row SMT header,GWT,5P



TE Part #2013297-1
SEMI-HARD TRAY DDR3 204P 8H ST



TE Part #5-146252-6
12 MODII HDR DRST B/A .100 LF



TE Part #533285-1
BOX II 4 ROW 100 POS RECP ASSY



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



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