5179160-5 ✔ ACTIVE

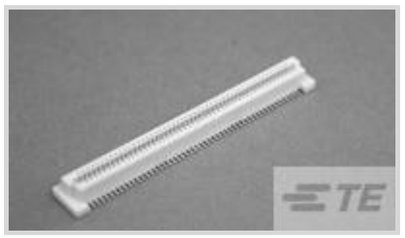
Free Height

TE Internal #: 5179160-5

PCB Mount Receptacle, Vertical, Board-to-Board, 120 Position, .8 mm [.031 in] Centerline, Gold (Au), Surface Mount, Signal, Natural, Free Height

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Receptacle Connector: Free Height, PCB Mount for Parallel Stacking



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **120**

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

PCB Mount Orientation: **Vertical**

All Receptacle Connector: Free Height, PCB Mount for Parallel Stacking (25)

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	Yes
Number of Positions	120
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	100 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Assembly Process Feature Material	Steel
Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.4 mm[.016 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	.2 mm[.008 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.2 µm[8 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mounting Alignment Feature Length	.7 mm[.028 in]
PCB Mount Alignment Type	Positioning Bosses
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	.8 mm[.031 in]
Housing Material	Matte

Dimensions

Connector Height	5 mm[.197 in]
Stack Height	5 mm, 6 mm, 7 mm, 8 mm[.197 in][.236 in][.276 in][.315 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

	.7 in
Packaging Quantity	700
Packaging Method	Tape & Reel

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 Halogen - Br, Cl, F < 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An

Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

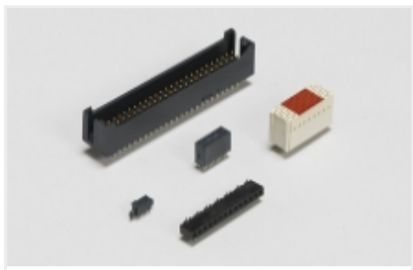


TE Part # CAT-313-PCB120
Free Height Plug Connector: Board-Board, Vertical, 120, 0.8mm

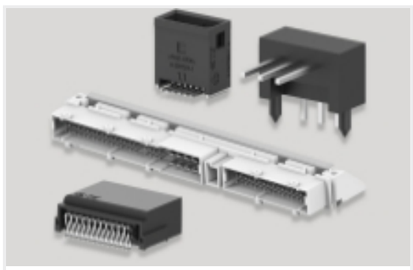


TE Part # 1-5177986-1
0.8FH,P06H.5,040,08/Sn,TR,SC

Also in the Series | Free Height

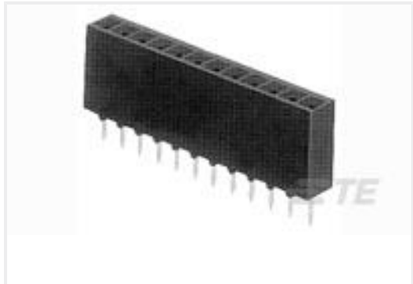


Board-to-Board Headers & Receptacles(737)



PCB Headers & Receptacles(737)

Customers Also Bought



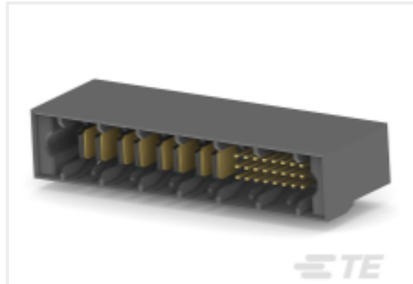
TE Part #87879-5
09 MODIV VRT SR OE 100/115



TE Part #5-1622826-0
CRG0402 5% 56K



TE Part #1676971-9
RN 0805 187K 0.1% 10PPM CUT LENGTH



TE Part #1926017-1
PIN Connector Straight Solder Tails



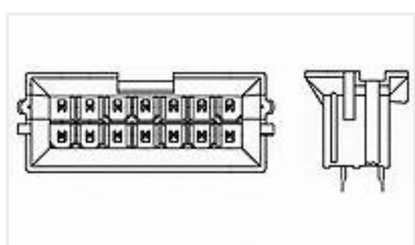
TE Part #2081570-2
2.92MM JACK 2 HOLE FLANGE RECEPTACLE



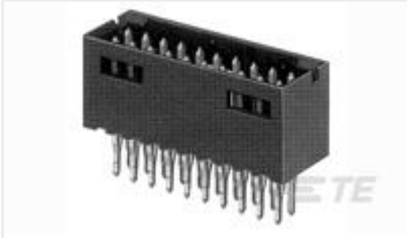
TE Part #2170754-5
CAGE ASSY, QSFP28 1X1, GASKET, HS, LP



TE Part #2170737-2
QSFP28, 1X3, CAGE ASSEMBLY, SPRING



TE Part #1586585-4
4P VAL-U-LOK BMI VRT HDR V2



TE Part #5-102557-7
60 MODII HDR DRST SHRD A/PIN If

Documents

Product Drawings

0.8FH,R05H.7,120,08/Sn,TR,SC,PS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5179160-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5179160-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5179160-5_A.3d_stp.zip

English

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Product Specifications

Product Specification

English

Product Specification

English