

5179160-1 ✓ ACTIVE



Free Height

TE Internal #: 5179160-1

PCB Mount Receptacle, Vertical, Board-to-Board, 40 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Receptacle Conn: Board-Board, Vertical, 40, 0.8mm



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

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

[All Free Height Receptacle Conn: Board-Board, Vertical, 40, 0.8mm \(23\)](#)

Features

Electrical Characteristics

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

Dimensions

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

Packaging Features

	.7 in
Packaging Method	Tape & Reel

Usage Conditions

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

Body Features

Assembly Process Feature Material	Steel
Primary Product Color	Natural

Operation/Application



Assembly Process Feature	Pick and Place Cover
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Circuit Application	Signal
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Mechanical Attachment

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

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

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

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

Board-to-Board Configuration	Parallel
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Stackable	Yes
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PCB Mount Orientation	Vertical
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Number of Positions	40
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Product Type Features

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

UL Flammability Rating	UL 94V-0
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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

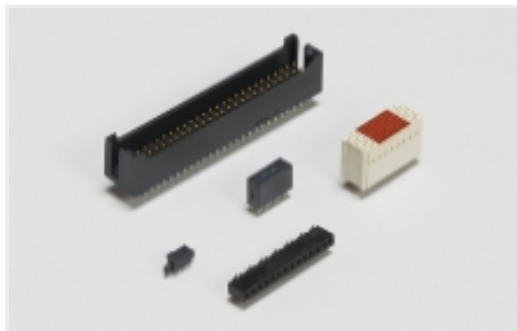
requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

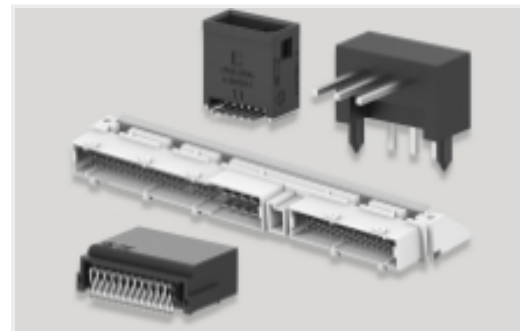


TE Part # CAT-313-PCB40
Free Height Plug Connector: Board-Board, Vertical, 40, 0.8mm

Also in the Series | Free Height



Board-to-Board Headers & Receptacles(747)



PCB Headers & Receptacles(747)

Customers Also Bought



TE Part #2-5179161-1
0.8FH,P07H.7,040,08/Sn,TR,SC,PS

Documents

Product Drawings

[0.8FH,R05H.7,040,08/Sn,TR,SC,PS](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5179160-1_A.2d_dxf.zip](#)

English



Customer View Model

[ENG_CVM_CVM_5179160-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5179160-1_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English