5-5179010-2 ACTIVE

Free Height

TE Internal #: 5-5179010-2

PCB Mount Receptacle, Vertical, Board-to-Board, 60 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, 60, 0.8mm











PCB Connector Assembly Type: PCB Mount Receptacle

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 60

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

All Free Height Receptacle Conn: Board-Board, Vertical, 60, 0.8mm (23)

Features

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	60
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 ΜΩ



Primary Product Color Natural Contact Features PCB Contact Termination Area Plating Material Thickness 2 um[78.74 µin] Contact Layout Inline Mating Tab Width 4 mm[,016 in] Mating Tab Width 4 mm[,008 in] PCB Contact Termination Area Plating Material Finish Matte Contact Mating Area Plating Material Finish Matte Contact Mating Area Plating Material Finish Matte Contact Termination Area Plating Material Tin Contact Mating Area Plating Material Contact Mating Area Plating Material Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Nating Area Plating Material Contact Type Socket Contact Unrent Rating (Max) 5.A Termination Features Rectangular Termination Post & Tail Thickness 2 mm[,008 in] Rectangular Termination Post & Tail Width 3 mm[,012 in] Termination Method to Printed Circuit Board 5 mm[,02 in] Material Attachment Mounting Alignment Expert Posture Length 5 mm[,02 in] PCB Mount Alignment Type Polarization With Mating Alignment Type Polarization PCB Mount Alignment Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) 8 mm(,031 in) Housing Material Matte	Operating Voltage	100 VAC
PCB Contact Termination Area Plating Material Thickness 2 µm[78.74 µin] Contact Layout Inline Maring Tab Width .4 mm [016 in] Mating Tab Thickness 2 mm [,008 in] PCB Contact Termination Area Plating Material Finish Matte Contact Mating Area Plating Material Finish Matte PCB Contact Termination Area Plating Material Finish Matte PCB Contact Termination Area Plating Material Finish Matte PCB Contact Termination Area Plating Material Tin Contact Base Material Copper Alloy Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Thickness .2 µm[8 µin] Contact Mating Area Plating Material Thickness .2 µm[8 µin] Contact Current Rating (Max) .5 A Termination Features Rectangular Termination Post & Tail Width .3 mm [,008 in] Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment Mounting Alignment Evature Length .5 mm [,02 in] PCB Mount Alignment Type Positioning Bosses Mating Alignment Type Polarization PCB Mount Alignment Type Polarization PCB Mount Alignment Connector Mounting Type Board Mount Mating Alignment Type Polarization PCB Mount Alignment PCB Mount Alignment Without PCB Mount Alignment Mating Alignment Type Board Mount Mating Alignment Mating Alignment Mating Alignment Mating Alignment Mating Features	Body Features	
PCB Contact Termination Area Plating Material Thickness	Primary Product Color	Natural
Contact Layout Inline Mating Tab Width	Contact Features	
Mating Tab Width	PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
Mating Tab Thickness 2 mm [.008 in] PCB Contact Termination Area Plating Material Finish Matte Contact Mating Area Plating Material Finish Matte PCB Contact Termination Area Plating Material Tin Contact Base Material Copper Alloy Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Thickness 2 mm [.008 in] Contact Type Socket Contact Type Socket Contact Current Rating (Max) .5 A Termination Features Rectangular Termination Post & Tail Thickness 2 mm [.008 in] Rectangular Termination Post & Tail Width 3 mm [.012 in] Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment Mounting Alignment Feature Length 5 mm [.02 in] PCB Mount Alignment Type Positioning Bosses Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Fitry Location Top Centerline (Pitch) 8 mm [.031 in]	Contact Layout	Inline
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Contact Base Material Gold Contact Mating Area Plating Material Gold Contact Mating Area Plating Material Thickness 2 µm[8 µin] Contact Type Socket Contact Current Rating (Max) 5 A Termination Features Rectangular Termination Post & Tail Thickness 2 mm[.008 in] Rectangular Termination Post & Tail Width 3 mm[.012 in] Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment Mounting Alignment Feature Length 5 mm[.02 in] PCB Mount Alignment Type Positioning Bosses Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment PCB Mount Alignment PCB Mount Alignment PCB Mount Alignment PCB Mount Retention Without PCB Mount Retention Without PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) 8 mm[.031 in]	Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	Contact Base Material	Copper Alloy
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Rectangular Termination Post & Tail Thickness	Contact Current Rating (Max)	.5 A
Rectangular Termination Post & Tail Width .3 mm[.012 in] Termination Method to Printed Circuit Board Surface Mount Mechanical Attachment Mounting Alignment Feature Length .5 mm[.02 in] PCB Mount Alignment Type Positioning Bosses Mating Alignment With Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) .8 mm[.031 in]	Termination Features	
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Mounting Alignment Feature Length .5 mm[.02 in] PCB Mount Alignment Type Positioning Bosses Mating Alignment With Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) .8 mm[.031 in]	Termination Method to Printed Circuit Board	Surface Mount
PCB Mount Alignment Type Mating Alignment With Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) Positioning Bosses With With Top Semm[.031 in]	Mechanical Attachment	
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Mating Alignment Type POlarization PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) Polarization Polarization Roard Mount Top 8 mm[.031 in]	PCB Mount Alignment Type	Positioning Bosses
PCB Mount Retention Without PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) .8 mm[.031 in]	Mating Alignment	With
PCB Mount Alignment With Connector Mounting Type Board Mount Housing Features Mating Entry Location Top Centerline (Pitch) Se mm[.031 in]	Mating Alignment Type	Polarization
Connector Mounting Type Housing Features Mating Entry Location Centerline (Pitch) Board Mount Top September 1997 September 2015 Board Mount Top Top September 2015	PCB Mount Retention	Without
Housing Features Mating Entry Location Top Centerline (Pitch) .8 mm[.031 in]	PCB Mount Alignment	With
Mating Entry Location Top Centerline (Pitch) .8 mm[.031 in]	Connector Mounting Type	Board Mount
Centerline (Pitch) .8 mm[.031 in]	Housing Features	
	Mating Entry Location	Тор
Housing Material Matte	Centerline (Pitch)	.8 mm[.031 in]
	Housing Material	Matte



Dimensions

Connector Height	13 mm[.512 in]
Stack Height	13 mm, 14 mm, 15 mm, 16 mm[.512 in][.551 in][.591 in][.63 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

	.5 in
Packaging Quantity	16
Packaging Type	Box, Tube

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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







Also in the Series | Free Height



Customers Also Bought























Documents

Product Drawings

0.8FH,R13H.5,060,08/Sn,TU

English

CAD Files

Customer View Model

ENG_CVM_5-5179010-2_O.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-5179010-2_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-5179010-2_O.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specifications

Product Specification

English

Product Specification

English

PCB Mount Receptacle, Vertical, Board-to-Board, 60 Position, .8 mm [.031 in] Centerline, Gold, Surface Mount, Signal, Natural, Free Height



Product Environmental Compliance

MD_5-5179010-2_013020172350_dmtec

English

MD_5-5179010-2_013020172350_dmtec

English