



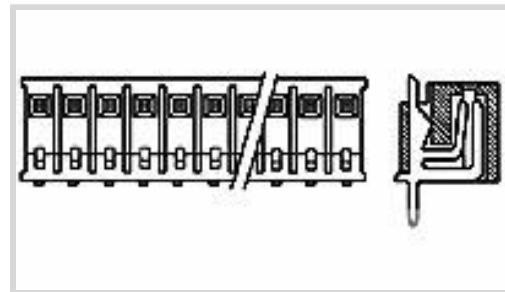
AMP

TE Internal #: 163680-5

PCB Mount Receptacle, Vertical, Board-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, Gray

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

Body Features

Primary Product Color	Gray
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Contact Features

PCB Contact Termination Area Plating Material Thickness	1.52 – 3.048 µm
Contact Layout	Inline
Mating Tab Width	.68 mm[.026 in]
Mating Tab Thickness	.76 mm[.029 in]
Contact Shape & Form	Square



PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1.524 – 3.048 µm[60 – 120 µin]
Contact Type	Socket
Contact Current Rating (Max)	5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.56 mm[.022 in]
Rectangular Termination Post & Tail Width	.74 mm[.029 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Crastin

Dimensions

Connector Height	7.6 mm[.3 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-1
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Packaging Features

Packaging Quantity	1200
Packaging Type	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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>

Customers Also Bought

 <p>TE Part #3-2319848-1 END STACK DIP 10P G RECESS SEAL TUBE</p>	 <p>TE Part #4-2176391-7 RQ 1206 37K4 0.1% 10PPM 5K RL</p>	 <p>TE Part #2176314-4 MELF SMA_A 180R 0.1% 15PPM 0102 0.3W</p>	 <p>TE Part #1-928836-2 MOD2 PIN WITH A-PIN L/P</p>
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Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_163680-5_R_c-163680-5-r.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_163680-5_R_c-163680-5-r.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_163680-5_R_c-163680-5-r.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

[CIS Crimp Snap-In Receptacle Contact](#)

English