# 531138-7 ✓ ACTIVE

### **AMP**

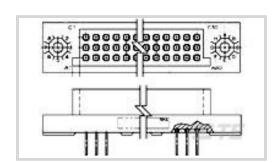
TE Internal #: 531138-7

PCB Mount Receptacle, Vertical, Board-to-Board, 210 Position, .1 in [2.54 mm] Centerline, Gold, Through Hole - Solder, Signal, Brown

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: 210

Number of Rows: 3

## **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	No
PCB Mount Orientation	Vertical
Number of Positions	210
Number of Rows	3

## **Body Features**

Primary Product Color	Brown	

### **Contact Features**

Contact Layout	Matrix
Mating Square Post Dimension	.64 mm[.025 in]
	30 μin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Beryllium Copper
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]



Rectangular Termination Post & Tail Thickness Rectangular Termination Post & Tail Width Rectangular Termination Post & Tail Width A3 mmt,017 in]  Termination Post & Tail Length A95 mmt,1795 in]  Termination Method to Printed Circuit Board  Mechanical Attachment  PCB Mount Retention Type Mounting Hole Mating Alignment Mating Alignment Type Polarized PCB Mount Retention Without Connector Mounting Type Panel Mount Connector Mounting Type Panel Mount Panel Mount Polyphenylene Sulfide (PPS)  Dimensions  Connector Height 11.43 mmt,45 inj Row-to-Row Spacing Stack Height 15.24 mmt,6 inj PCB Thickness (Recommended) PCB Thickness (Recommended) PCB Thickness (Recommended) PCB Thickness (Recommended) Seage Conditions  Operating Temperature Range PCB Toperation/Application Solder Process Feature Board Standoff Circuit Application  Solder Process Feature UII P4V-0  UII 94V-0		
Rectangular Termination Post & Tail Thickness	Contact Type	Socket
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Termination Method to Printed Circuit Board  Acchanical Attachment  PCB Mount Retention Type Mating Alignment With  Mating Alignment Type Polarized  Mounting Hole Mating Alignment Type Polarized  Mount Retention Without  Connector Mounting Type Without  Connector Mounting Type  Conterline (Pitch)  Illousing Material  Connector Height Row-to-Row Spacing Stack Height PCB Thickness (Recommended)  Stack Height PCB Thickness (Recommended)  Solder Process Feature  Differentian Application  Solder Process Feature  Differentian Application  Packaging Features  UL PIV-0  Packaging Gountity  Illousing Mounting Type Mount Retention  Mounting Hole With Mounting Hole Mounting Ho	Rectangular Termination Post & Tail Width	.43 mm[.017 in]
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Connector Height  Row-to-Row Spacing  Stack Height  PCB Thickness (Recommended)  Jasge Conditions  Operating Temperature Range  Operation/Application  Solder Process Feature  Circuit Application  Outstry Standards  UL Flammability Rating  Packaging Quantity  11.43 mm[.45 in]  2.54 mm[.1 in]  2.54 mm[.6 in]  2.43 mm[.096 in]  8.65 – 125 °C[-85 – 257 °F]  Outstry Standards  UL 94V-0  Packaging Quantity  1	Housing Material	Polyphenylene Sulfide (PPS)
Row-to-Row Spacing 2.54 mm[.1 in]  Stack Height 15.24 mm[.6 in]  PCB Thickness (Recommended) 2.43 mm[.096 in]  Usage Conditions  Operating Temperature Range -65 – 125 °C[-85 – 257 °F]  Operation/Application  Solder Process Feature Board Standoff  Circuit Application Signal  UL Flammability Rating UL 94V-0  Packaging Features  Packaging Quantity 1	Dimensions	
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PCB Thickness (Recommended)  Jesage Conditions  Operating Temperature Range  Operation/Application  Solder Process Feature  Circuit Application  Signal  UL Flammability Rating  Packaging Quantity  1  2.43 mm[.096 in]  2.43 mm[.096 in]  2.43 mm[.096 in]  Solder Process Feature  -65 – 125 °C[-85 – 257 °F]  Board Standoff  Signal  UL 94V-0	Row-to-Row Spacing	2.54 mm[.1 in]
Operating Temperature Range Operation/Application Solder Process Feature Circuit Application Signal Outperation/Application UL Flammability Rating Outperatures Packaging Quantity  1	Stack Height	15.24 mm[.6 in]
Operating Temperature Range  Operation/Application  Solder Process Feature  Circuit Application  Signal  Mustry Standards  UL Flammability Rating  Packaging Features  Packaging Quantity  1  -65 – 125 °C[-85 – 257 °F]  Board Standoff  Signal  UL 94V-0  Packaging Features  1	PCB Thickness (Recommended)	2.43 mm[.096 in]
Departion/Application  Solder Process Feature  Board Standoff  Circuit Application  Signal  Mustry Standards  UL Flammability Rating  UL 94V-0  Packaging Features  Packaging Quantity  1	Usage Conditions	
Solder Process Feature  Circuit Application  Signal  UL Flammability Rating  UL 94V-0  Packaging Features  Packaging Quantity  1	Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
Circuit Application  Industry Standards  UL Flammability Rating  Packaging Features  Packaging Quantity  1	Operation/Application	
ndustry Standards  UL Flammability Rating  Packaging Features  Packaging Quantity  1	Solder Process Feature	Board Standoff
UL Flammability Rating  Packaging Features  Packaging Quantity  1	Circuit Application	Signal
Packaging Features Packaging Quantity  1	Industry Standards	
Packaging Quantity 1	UL Flammability Rating	UL 94V-0
	Packaging Features	
Packaging Type Package	Packaging Quantity	1
	Packaging Type	Package



## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste 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**

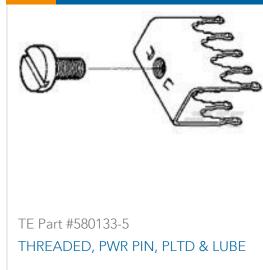


## Customers Also Bought





TE Part #2-1623821-5 CFH 1100 22R 5% 300MM LEADS











## **Documents**

## **Product Drawings**

3ROW BOX REC 210P 100CL UNSEAL

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_531138-7\_K.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_531138-7\_K.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_531138-7\_K.3d\_stp.zip

English

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

## Datasheets & Catalog Pages

Products for Aerospace and Defense

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## **Product Specifications**

**Application Specification** 

English