



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **40**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

## Features

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	40
Number of Rows	1
PCB Mount Orientation	Right Angle

### Body Features

Primary Product Color	Black
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### Contact Features



	100 – 200 µin
Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

#### Termination Features

Termination Post & Tail Length	2.79 mm[.11 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

#### Mechanical Attachment

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

#### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

#### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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#### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

#### Operation/Application

Circuit Application	Signal
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#### Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	25
Packaging Method	Carton

### 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	有害物质含量符合标准要求 No Restricted Substance(s) 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

#### 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>

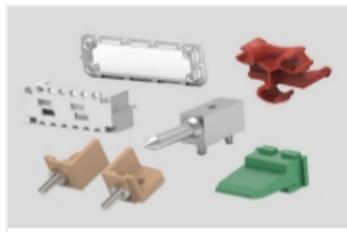
Also in the Series | [AMPMODU Headers](#)



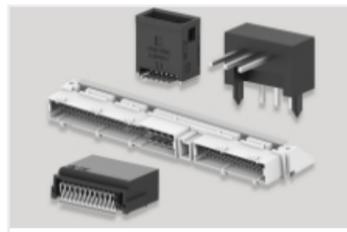
Automotive Headers(3)



Connector Contacts(15)



Connector Hardware(1)



PCB Headers & Receptacles(1173)



Rectangular Power Connectors(25)



Wire-to-Board Headers & Receptacles (78)

## Customers Also Bought



TE Part #ANT-433-CW-RAH-SMA  
Antenna 1/4 Wave R-Angle 433MHz  
SMA



TE Part #LICAL-EDC-DS001  
TRANSCODER DS IC CHIP RC  
PROTOCOL T&R



TE Part #CMD-HHLR-433-MD  
Remote DS 433MHz OOK AM 8Btn  
HHLR TX FCC



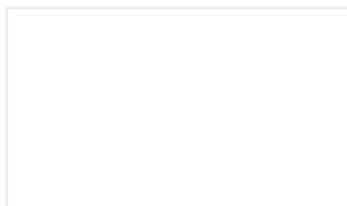
TE Part #RXM-433-LR  
Module LR 433MHz AM OOK RX RCVR



TE Part #390088-2  
BLACK HSG WITH 15AU CONTACT



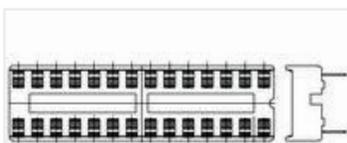
TE Part #3-534206-2  
64 MODII VRT DR CE 100/115



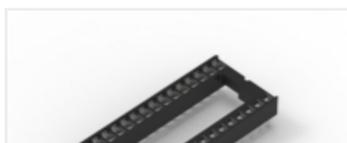
TE Part #9-1462038-9  
IM03DGR=IM RELAY 140mW 5V



TE Part #1879417-8  
CPF0603 1M0 0.1% 25PPM 5K RL



TE Part #1-2199298-1  
6P,DIP SKT,300 CL,LDR,PB FREE



TE Part #1-2199300-2  
32P,DIP SKT,600 CL,OTC,PB FREE

## Documents



### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146305-0\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146305-0\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_9-146305-0\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTIONS](#)

English