



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board, Wire-to-Board**
Number of Positions: **60**
Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board, Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	60
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 V
Operating Voltage	30 VAC



Body Features

Primary Product Color	Black
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Contact Features

	150 µin
Contact Shape & Form	Round
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Finish	Bright
Contact Type	Pin
Contact Current Rating (Max)	1 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

	.031 in
Termination Method to PCB	Surface Mount

Mechanical Attachment

Panel Mount Feature	With
PCB Mount Alignment	Without
Mating Retention	With
Mating Alignment Type	Latched
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Thermoplastic

Dimensions

	.1 in
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	250
Packaging Method	Box, Reel

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



TE Part # 5-104549-8
60 SYS50 S/M HDR DRST SHRDSN



TE Part # 5-104550-7
60 SYS50 SURFMNT DRST RCPT SN



TE Part # 2-111196-2
60 RCPT SYSTEM 50, LEAD FREE

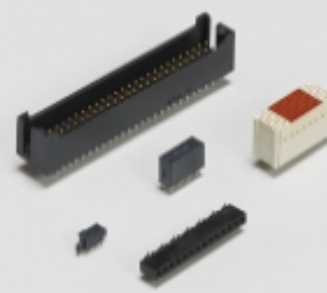


TE Part # 6-487937-0
060 HOUSING FFC 50CL DR LATCH



TE Part # 5-104078-6
60 SYSTEM 50 RCPT ASSY DRST SN

Also in the Series | **AMPMODU System 50**



Board-to-Board Headers & Receptacles(218)



PCB Headers & Receptacles(218)



Rectangular Power Connectors(31)



Wire-to-Board Headers & Receptacles (31)

Customers Also Bought



TE Part #CAT-T3437-Z1
Z-Type Push-On Markers



TE Part #794285-1
04P CMNL SOK HDR ASSY



TE Part #6-1879338-3
CPF 0603 118K 1% 50PPM 1K RL



TE Part #1-2377481-1
18POS,TAB1.5X0.64,HDR ASSY,
180DEG,COD A

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_5-147377-6_J1.2d_dxf.zip](#)

[English](#)



Customer View Model

[ENG_CVM_CVM_5-147377-6_J1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147377-6_J1.3d_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 - 1.27mm AMPMODU System 50 Connectors](#)

English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

English

Product Specifications

[Application Specification](#)

English