5-825437-0 ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-825437-0

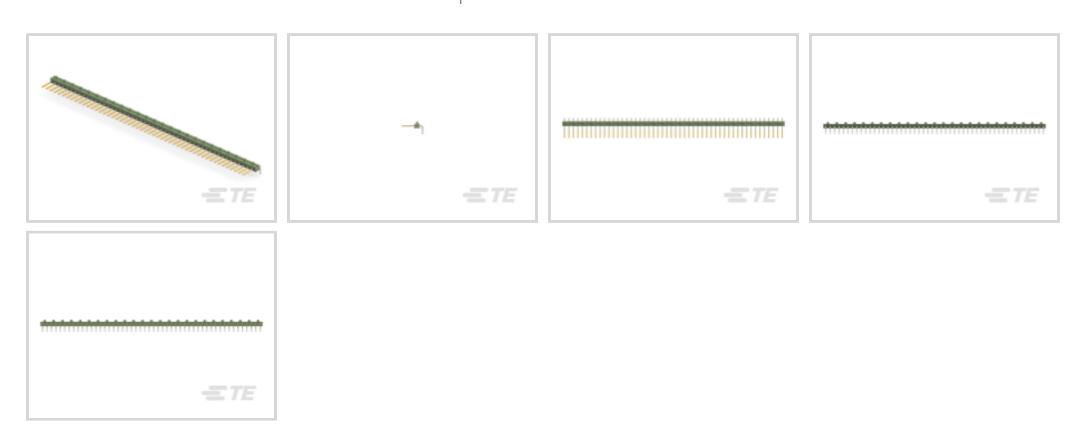
PCB Mount Header, Right Angle, Board-to-Board, 50 Position, 2.54

mm [.1 in] Centerline, Breakaway, AMPMODU Headers

View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Right Angle
Connector System: Board-to-Board

Number of Positions: 50

Number of Rows: 1

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	50
Number of Rows	1
Board-to-Board Configuration	Perpendicular

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms



Body Features

Primary Product Color Contact Features Mailing Square Post Dimension		
Mating Square Post Dimension	Primary Product Color	Green
PCB Contact Termination Area Plating Material Thickness 2.5 µm Contact Shape & Form Square Contact Underplating Material Nickel PCB Contact Termination Area Plating Material Tin Cortact Base Material Brass Contact Mating Area Plating Material Cold or Gold Hash over Pallacium Nickel Contact Mating Area Plating Material Thickness .8 µm(31.5 µin) Contact Type Pin Contact Type Pin Contact Type Pin Contact Type A Material Thickness Square Termination Post & Tail Dimension .64 mm(,025 in) Termination Features Square 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 Alignment Without PCB Mount Alignment Without Cornector Mounting Type Board Mount Housing Features Centerline (Pitch) .2.54 mm(,1 in) Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm(,062 in) Usage Conditions Flousing Temperature Rating Standard Operating Temperature Range .65 – 105 °C(-85 – 221 °F) Operation/Application	Contact Features	
Contact Underplating Material Contact Underplating Material PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Thickness .8 L8 L8 L8 L8 L8 L8 L8	Mating Square Post Dimension	.64 mm[.025 in]
Contact Underplating Material PCB Contact Termination Area Plating Material Tin Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Thickness Contact Type Pin Contact Current Rating (Max) SA Termination Features Square Termination Post & Tail Dimension Termination Post & Tail Length Jermination Method to Printed Circuit Board Mechanical Attachment Mating Alignment Without PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Greatures Centerline (Pitch) Lossing Features Centerline (Pitch) Lossing Material PCB Thickness (Recommended) Standard Operating Temperature Rating Operating Temperature Range	PCB Contact Termination Area Plating Material Thickness	2.5 µm
PCB Contact Termination Area Plating Material Contact Base Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Thickness Contact Type Pin Contact Current Rating (Max) 5 A Termination Features Square Termination Post & Tail Dimension 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 Centerline (Pitch) 2,54 mm[,1 in] Housing Material PBT Dimensions PCB Thickness (Recommended) 1,57 mm[,062 in] Usage Conditions Housing Temperature Rating Operating Temperature Range -65 – 105 °C 85 – 221 °F Operation/Application	Contact Shape & Form	Square
Contact Mating Area Plating Material Gold or Gold Flash over Palladium Nickel Contact Mating Area Plating Material Thickness .8 Employed Pin Contact Type Pin Contact Current Rating (Max) 5A Termination Features Square Termination Post & Tail Length 3.2 mm [.126 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 Centerline (Pitch) 2.54 mm [.1 in] Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm [.062 in] Usage Conditions Housing Temperature Rating Standard Operating Temperature Range 65 – 105 "CJ 85 – 221 "FJ Operation/Application	Contact Underplating Material	Nickel
Contact Mating Area Plating Material Contact Mating Area Plating Material Thickness Contact Type Prin Contact Current Rating (Max) 5 A Termination Features Square Termination Post & Tail Length Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Housing Material Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operation/Application	PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	Contact Base Material	Brass
Contact Type Contact Current Rating (Max) 5 A Termination Features Square Termination Post & Tail Dimension Termination Post & Tail Length 3.2 mm[.025 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 Centerline (Pitch) 2.54 mm[.1 in] Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Usage Conditions Housing Temperature Rating Operation/Application	Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Current Rating (Max) Termination Features Square Termination Post & Tail Dimension .64 mm[.025 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 Centerline (Pitch) .2.54 mm[.1 in] Housing Material .PBT Dimensions PCB Thickness (Recommended) .1.57 mm[.062 in] Usage Conditions Housing Temperature Rating .Standard Operation/Application	Contact Mating Area Plating Material Thickness	.8 μm[31.5 μin]
Termination Features Square Termination Post & Tail Dimension .64 mm[.025 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 Centerline (Pitch) .2.54 mm[.1 in] Housing Material .PBT Dimensions PCB Thickness (Recommended) .1.57 mm[.062 in] Usage Conditions Housing Temperature Rating .Standard Operation/Application	Contact Type	Pin
Square Termination Post & Tail Dimension Termination Post & Tail Length 3.2 mm[.126 in] Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment PCB Mount Retention PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Losing Material PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application	Contact Current Rating (Max)	5 A
Termination Post & Tail Length 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 Centerline (Pitch) PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operation/Application 3.2 mm[.126 in] Through Hole - Solder Without Without 2.54 mm[.1 in] PBT Dimensions Standard Operation/Application	Termination Features	
Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment PCB Mount Retention Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Housing Material PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operation/Application	Square Termination Post & Tail Dimension	.64 mm[.025 in]
Mechanical Attachment Mating Alignment Without PCB Mount Retention Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Loan Material PBT Dimensions PCB Thickness (Recommended) PCB Thickness (Recommended) 1.57 mm[.062 in] Usage Conditions Housing Temperature Rating Standard Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application	Termination Post & Tail Length	3.2 mm[.126 in]
Mating AlignmentWithoutPCB Mount RetentionWithoutPCB Mount AlignmentWithoutConnector Mounting TypeBoard MountHousing Features*** Centerline (Pitch)** Housing Material2.54 mm[.1 in]** PBTDimensionsPCB Thickness (Recommended)1.57 mm[.062 in]**Usage Conditions*** Housing Temperature RatingStandardOperating Temperature Range-65 = 105 °C[-85 = 221 °F]Operation/Application	Termination Method to Printed Circuit Board	Through Hole - Solder
PCB Mount Retention Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Usage Conditions Housing Temperature Rating Standard Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application	Mechanical Attachment	
PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Lousing Material PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Without Board Mount 2.54 mm[.1 in] PBT 1.57 mm[.062 in] Usage Conditions Find Temperature Rating Operation/Application	Mating Alignment	Without
Connector Mounting Type Housing Features Centerline (Pitch) Housing Material PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Board Mount 2.54 mm[.1 in] PBT 1.57 mm[.062 in] Standard -65 – 105 °C[-85 – 221 °F] Operation/Application	PCB Mount Retention	Without
Housing Features Centerline (Pitch) Housing Material PBT Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application	PCB Mount Alignment	Without
Centerline (Pitch) Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application	Connector Mounting Type	Board Mount
Housing Material PBT Dimensions PCB Thickness (Recommended) 1.57 mm[.062 in] Usage Conditions Housing Temperature Rating Standard Operating Temperature Range -65 - 105 °C[-85 - 221 °F] Operation/Application	Housing Features	
Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application 1.57 mm[.062 in] Standard -65 – 105 °C[-85 – 221 °F]	Centerline (Pitch)	2.54 mm[.1 in]
PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application 1.57 mm[.062 in] Standard -65 - 105 °C[-85 - 221 °F]	Housing Material	PBT
Usage Conditions Housing Temperature Rating Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application	Dimensions	
Housing Temperature Rating Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application	PCB Thickness (Recommended)	1.57 mm[.062 in]
Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application	Usage Conditions	
Operation/Application	Housing Temperature Rating	Standard
	Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Circuit Application Signal	Operation/Application	
	Circuit Application	Signal



Industry Standards

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

Packaging Features

Packaging Quantity	250
Packaging Method	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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

Compatible Parts





Also in the Series | AMPMODU Headers



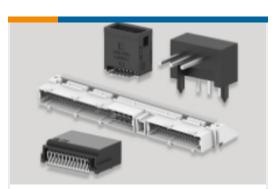
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3493)

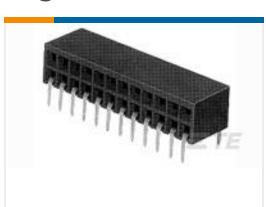


Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought



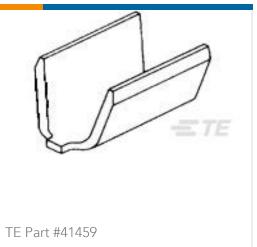
TE Part #5-103908-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #216604-6 2X 6P HV190FEDERLEI



TE Part #1-770182-0 09P MINI-UMNL ASSY V0 SNNI



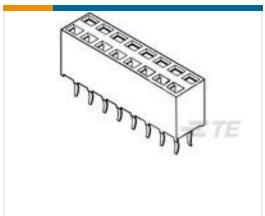
TE Part #41459 SPLICE 800-2600 CMA BR



TE Part #5-1393252-5 W67-X2Q12-10=M6/M7/M9/W6/W7



TE Part #7-1546158-8 6PCV-20-1361=6 SERIES SPECIAL



TE Part #1-215309-8 2X18P HV100 REC CON. TE, 8.5MM







TE Part #2-1981350-0 1.25FP HDR SMT DBL 5 20P O/TAP, Kapton

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-825437-0_V.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-825437-0_V.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-825437-0_V.3d_stp.zip

English

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

Agency Approvals

UL Report

English