5-146852-1 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-146852-1

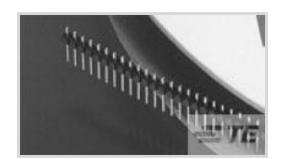
PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal,

AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 10

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	Vertical
Number of Positions	10
Number of Rows	1
Board-to-Board Configuration	Parallel

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μin
Contact Shape & Form	Square



Contact Underplating Material 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) 3.A Termination Features Square Termination Post & Tall Dimension Termination Post & Tall Dimension Termination Post & Tall Dimension Termination Mathod to Printed Circuit Board Mechanical Attachment Mating Alignment Without PCB Mount Alignment Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 1.6 ming Material Themplastic Dimensions PCB Thickness (Recommended) 1.6 ming (AS in) Usage Conditions Housing Temperature Rating High Operating Temperature Rating Operating Temp		
Contact Base Material Copper Alloy Contact Mailing Area Plating Material Tir Contact Mating Area Plating Material Inickness 2.54 5.08 µm(100 200 µin) Contact Type Pir Contact Current Rating (Max) 3.A Termination Features Square Termination Post & Tail Length 2.92 mm[,025 in] Termination Post & Tail Length 2.92 mm[,115 in] Termination Mathod to Printed Circuit Board Intrough Hole - Solder Mechanical Attachment Mating Alignment Without PCB Mount Retention Without PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Alignment Toppe Board Mount Housing Features Centerline (Pitch) 2.54 mm[,1 in] Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mm[,063 in] Usage Conditions Housing Temperature Rating High Operating Temperature Rating As 5 – 105 °C; 85 – 221 °F; Operation/Application Solder Process Feature Board Standorff Circuit Application Solder Process Feature Companies of Schalards Compatible With Approved Standards Products CSA LR7189, UL E28476 UL Fammability Rating UL 97440 Packaging Features	Contact Underplating Material	Nickel
Contact Mating Area Plating Material Contact Mating Area Plating Material Thickness 2.54 – 5.08 µm[100 – 200 µin] Contact Type Pin Contact Current Rating (Max) 3 A Termination Features Source Termination Post & Tail Dimension Get mm[,025 in] Termination Post & Tail Length 2.92 mm[,115 in] Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment Without PCB Mount Retention Without Connector Mounting Type Roard Mount Housing Features Centerline (Pitch) Llousing Material Thermoplastic Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Solder Process Feature Connectiole With Approved Standards Products Congatiole With Approved Standards Products Ut Planmability Rating Ut 9440 Packaging Features	PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness 2.54 – 5.08 μm[100 – 200 μm] Contact Type Pin 3 A Termination Features Square Termination Post & Tail Dimension .64 mm].025 im] Termination Post & Tail Dimension .64 mm].025 im] Termination Post & Tail Length .2.92 mm].115 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 Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mm].063 in] Usage Conditions Housing Temperature Rating High Operating Temperature Range .45 – 105 "CI-85 – 221 "F] Operation/Application Solder Process Feature Board Standards Products Capability Rating UL 52446 UL Flammability Rating UL 54426 UL Flammability Rating UL 54426 UL 944-0 Packaging Features	Contact Base Material	Copper Alloy
Contact Type Contact Current Rating (Max) 3 A Termination Features Square Termination Post & Tail Dimension Termination Post & Tail Length 2.92 mml,115 inl Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Alignment Without PCB Mount Alignment Without PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mml,1 in) Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mml,063 in) Usage Conditions Housing Temperature Rating Operation/Application Solder Process I eature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Planmability Rating UL Platmability Rating	Contact Mating Area Plating Material	Tin
Termination Features Square Termination Post & Tail Dimension .64 mml,025 in] Termination Post & Tail Length .292 mm[.115 in] Termination Method to Printed Circuit Board .1 hrough Hole - Solder Mechanical Attachment Mating Alignment .Without PCB Mount Retartion .Without PCB Mount Alignment .Without Connector Mounting Type .Board Mount Housing Features Centerline (Hitch) .2.54 mm[.1 in] Housing Material .Thermoplastic Dimensions PCB Thickness (Recommended) .1.6 mm[.063 in] Usage Conditions Housing Temperature Rating .High .Coparating Temperature Range .65 .105 °C[.85 .221 °F] Operation/Application Solder Process Feature .Board Standards Compatible With Approved Standards Products .CSA LR7189, UL E28476 UL Flarmmability Rating .UL 94V-0 Packaging Features	Contact Mating Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]
Termination Features Square Termination Post & Tail Dimension	Contact Type	Pin
Square Termination Post & Tail Dimension .64 mml.025 in] Termination Post & Tail Length 2.92 mml.115 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 mml.1 in] Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mml.063 in] Usage Conditions Housing Temperature Rating High Operating Temperature Range -65 - 105 °C(-85 - 221 °F) Operation/Application Signal Industry Standards Compatible With Approved Standards Products CSA LR7189, UL E28476 UI Flammability Rating UI 94V-0 Packaging Features	Contact Current Rating (Max)	3 A
Termination Post & Tail Length Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Alignment Without PCB Mount Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2.54 mm[.1 in] Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mm[.063 in] Usage Conditions Housing Temperature Rating High Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products UL 94V-0 Packaging Features	Termination Features	
Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment PCB Mount Retention PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Llousing Material Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Solder Process Feature Compatible With Approved Standards Products CSA LR7189, UL E28476 UL 9/IV-0 Packaging Features	Square Termination Post & Tail Dimension	.64 mm[.025 in]
Mechanical Attachment Mating Alignment PCB Mount Retention PCB Mount Alignment Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Contend Material Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products UL 94V-0 Packaging Features	Termination Post & Tail Length	2.92 mm[.115 in]
Mating Alignment PCB Mount Retention Without PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Losing Material Thermoplastic Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Solder Process Feature Circuit Application Industry Standards Compatible With Approved Standards Products UL Plammability Rating PCB Mount Without Housing Temp(1 in) Los mm[.063 in] High Operation Signal Figh Operation/Application Solder Process Feature Crecit Application Signal Industry Standards COMpatible With Approved Standards Products UL 94V-0 Packaging Features	Termination Method to Printed Circuit Board	Through Hole - Solder
PCB Mount Retention Without Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 2,54 mm[,1 in] Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mm[,063 in] Usage Conditions Housing Temperature Rating High Operating Temperature Range -65 – 105 °C[,85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features	Mechanical Attachment	
PCB Mount Alignment Connector Mounting Type Board Mount Housing Features Centerline (Pitch) Centerline (Pitch) Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Plammability Rating Packaging Features Board Mount Board Mount Board Mount Board Mount About 191 Board Standoff CSA LR7189, UL E28476 UL 94V-0 Packaging Features	Mating Alignment	Without
Connector Mounting Type Housing Features Centerline (Pitch) Lousing Material Thermoplastic Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating High Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features Board Mount About 1 in] Housing Temperature 1.6 mm[.063 in] 1.6 mm[.063 in] 1.6 mm[.063 in] Solder Process Feature Board Standoff Circuit Application Signal Industry Standards CSA LR7189, UL E28476 UL 94V-0 Packaging Features	PCB Mount Retention	Without
Housing Features Centerline (Pitch) Lousing Material Centerline (Pitch) Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) Lousing Temperature Rating Housing Temperature Rating High Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features	PCB Mount Alignment	Without
Centerline (Pitch) Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features	Connector Mounting Type	Board Mount
Housing Material Thermoplastic Dimensions PCB Thickness (Recommended) 1.6 mm[.063 in] Usage Conditions Housing Temperature Rating Operating Temperature Range -65 - 105 °C[-85 - 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features	Housing Features	
Dimensions PCB Thickness (Recommended) 1.6 mm[.063 in] Usage Conditions Housing Temperature Rating Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features	Centerline (Pitch)	2.54 mm[.1 in]
PCB Thickness (Recommended) Usage Conditions Housing Temperature Rating Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating Packaging Features	Housing Material	Thermoplastic
Usage Conditions Housing Temperature Rating High Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features	Dimensions	
Housing Temperature Rating Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products UL Flammability Rating UL 94V-0 Packaging Features	PCB Thickness (Recommended)	1.6 mm[.063 in]
Operating Temperature Range -65 – 105 °C[-85 – 221 °F] Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features	Usage Conditions	
Operation/Application Solder Process Feature Board Standoff Circuit Application Signal Industry Standards Compatible With Approved Standards Products CSA LR7189, UL E28476 UL Flammability Rating UL 94V-0 Packaging Features	Housing Temperature Rating	High
Solder Process Feature Circuit Application Signal Industry Standards Compatible With Approved Standards Products UL Flammability Rating UL 94V-0 Packaging Features	Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Circuit Application Industry Standards Compatible With Approved Standards Products UL Flammability Rating UL 94V-0 Packaging Features	Operation/Application	
Industry Standards Compatible With Approved Standards Products UL Flammability Rating UL 94V-0 Packaging Features	Solder Process Feature	Board Standoff
Compatible With Approved Standards Products UL Flammability Rating UL 94V-0 Packaging Features	Circuit Application	Signal
UL Flammability Rating UL 94V-0 Packaging Features	Industry Standards	
Packaging Features	Compatible With Approved Standards Products	CSA LR7189, UL E28476
		UL 94V-0
	Packaging Features	
		25000



Packaging Type	Reel
Packaging Type	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 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









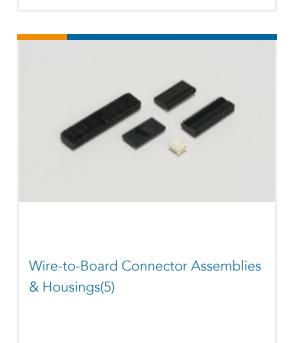
Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(4379)



Customers Also Bought





TE Part #350827-1 06P UMNL HDR ASSY PC 94VO



TE Part #292304-1 STD USB TYPE B, R/A, T/H



TE Part #640445-6 06P MTA156 HDR ASSY FL/STR SN



Documents

Product Drawings
B/A REELED SRST HDR ASSY, SN

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

1-1773720-9_AMPMODU_MOD_IV_V_QRG

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, AMPMODU Headers



English