440053-9 ✔ ACTIVE

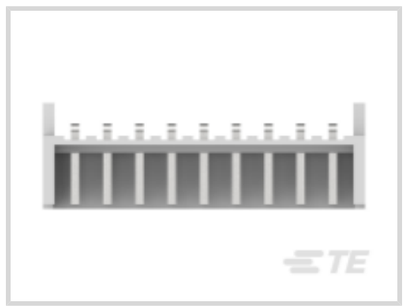
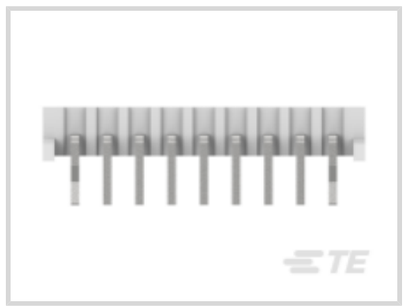
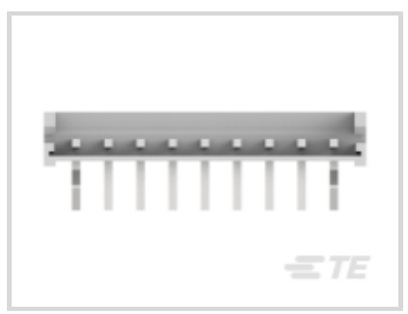
TE Internal #: 440053-9

PCB Mount Header, Right Angle, Wire-to-Board, 9 Position, 2.5mm [.098in] Centerline, 1 Row, Tin, Natural Housing Color, Partially Shrouded

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles > AMP HPI 2.5MM HEADERS



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **9**

Centerline (Pitch): **2.5 mm [.098 in]**

All AMP HPI 2.5MM HEADERS (78)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Mating Area Length	4 mm[.158 in]

Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Kinked Tines
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural
Housing Material	Nylon 66 GF

Dimensions

Connector Length	25 mm[.984 in]
Connector Height	4.2 mm[.165 in]
Connector Width	8.2 mm[.323 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Wire Size	28 – 22 AWG

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	14000
Packaging Method	Bag

Product Compliance

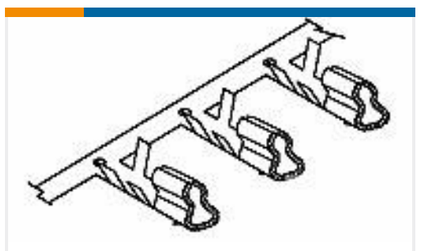
For compliance documentation, visit the product page on TE.com>

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	Not lead free process capable

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 # 440134-1
2.5mm,Crimp Contact



TE Part # CAT-H857-H817225
AMP HPI 2.5MM RECEPTACLE HOUSINGS

Customers Also Bought



TE Part #1939983-1
Glow Wire GRACE INERTIA Header



TE Part #7-1123724-6
7.92EP HDR ASSY 6(11)P NATURAL GWT



TE Part #1-1744426-1
Header Housing Assy, EP 2.5 RA, 11 Pos.



TE Part #1-2232960-4
4P POTTED RAST 2.5 HEADER



TE Part #1-2232960-6
6P POTTED RAST 2.5 HEADER



TE Part #1-2232960-7
7P POTTED RAST 2.5 HEADER



TE Part #1-2232963-7
17P POTTED RAST2.5 HEADER



TE Part #1-2299683-5
EP2.5 HDR 5P VERT W/O BOSS, TAPING,RED

TE Part #1744560-5
Header Housing Assy, EP 2.5 RA, 5 Pos.

Documents

Product Drawings

2.5MM,HDR,9POS,R/A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_440053-9_A2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_440053-9_A2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_440053-9_A2.3d_stp.zip

English

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

Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

AMP 2.5MM PITCH HPI WIRE TO BOARD SYSTEM.

English

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL

English