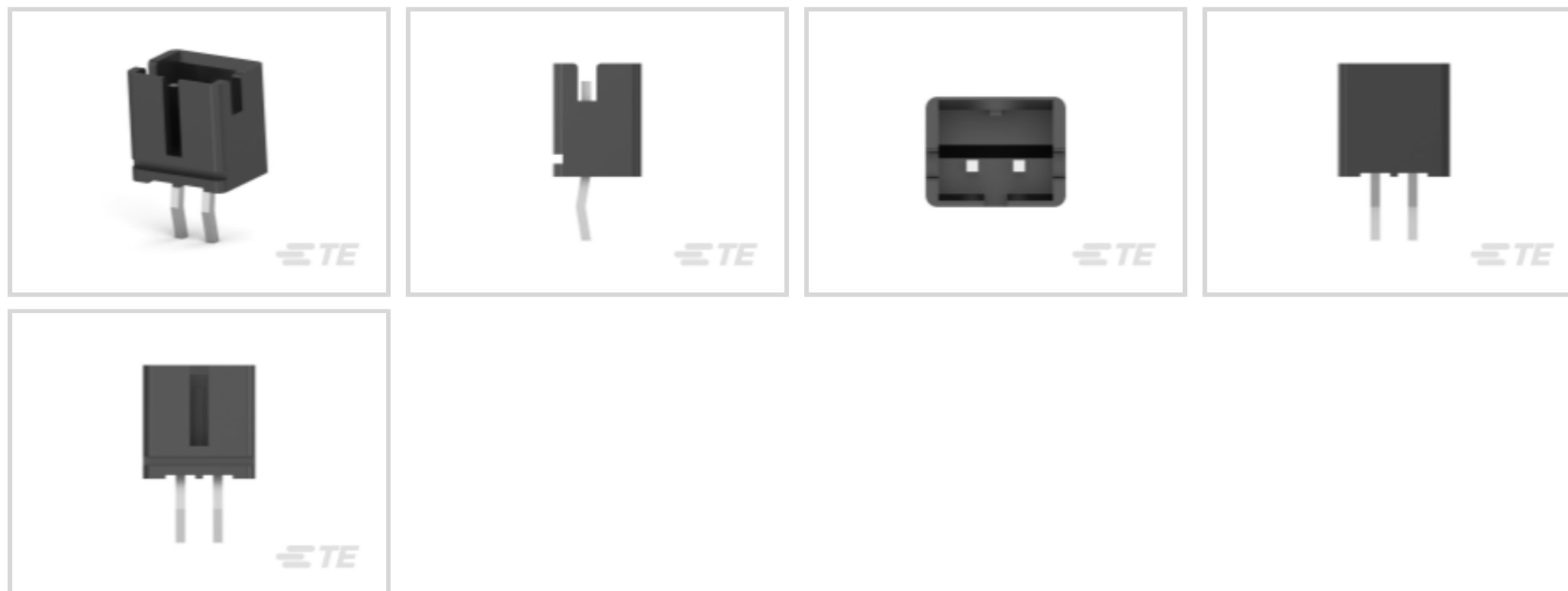# 6-440054-2 ✔ ACTIVE

TE Internal #: 6-440054-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Black Housing Color, Fully Shrouded, Printed Circuit Board

View on TE.com >

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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Centerline (Pitch): **2 mm [.079 in]**

All AMP HPI 2.0MM HEADERS (198)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Mating Area Length	3.35 mm[.131 in]

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PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Black Housing Color, Fully Shrouded, Printed Circuit Board

Mating Square Post Dimension	.5 mm[.02 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 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 mm[.079 in]
Housing Color	Black
Housing Material	Nylon 66 GF

Dimensions

Connector Length	6 mm[.236 in]
Connector Height	6.05 mm[.238 in]
Connector Width	4.7 mm[.185 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Wire Size	30 – 24 AWG

Usage Conditions

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

6-440054-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Black Housing Color, Fully Shrouded, Printed Circuit Board

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Bag

Product Compliance

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

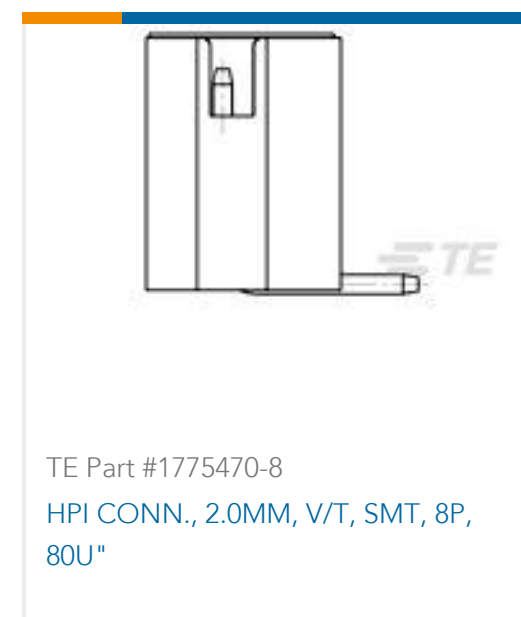| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) Does 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

6-440054-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Black Housing Color, Fully Shrouded, Printed Circuit Board

TE Part # CAT-H857-H817220

AMP HPI 2.0MM RECEPTACLE HOUSINGS

Customers Also Bought

TE Part #1393212-5

T92S7A22-240

TE Part #1-6609008-3

10EJHP=F8050

TE Part #1734742-8

.5 FPC VT ZIF Type-A 8 CONT

TE Part #1775470-8

HPI CONN., 2.0MM, V/T, SMT, 8P, 80U"

TE Part #1470106-1

2.0mm Pitch Crimp Contact

TE Part #1-5530843-8

CONN SEC II 30 POS 100C/L

TE Part #E776944001

VERSAFLEX-FR-1/8-09-SP

TE Part #1744036-5

05P ECONOMY POWER .200 CL HSG

TE Part #2-1879214-9

CPF 0402 634R 0.1% 25PPM 1K RL

TE Part #1932045-1

MBXL VERT HDR 7ACP+24S+1RF

Documents

Product Drawings

HPI 2.0MM,HDR,2POSVERTICAL,BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-440054-2_F4.2d_dxf.zip

6-440054-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2mm [.079in] Centerline, 1 Row, Tin, Black Housing Color, Fully Shrouded, Printed Circuit Board

English

Customer View Model

ENG_CVM_CVM_6-440054-2_F4.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-440054-2_F4.3d_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

Application Specification

English

Product Environmental Compliance

MD_6-440054-2_04142011319

English

MD_6-440054-2_04142011319

English

Agency Approvals

UL Report

English