1-1775470-4 ✔ ACTIVE

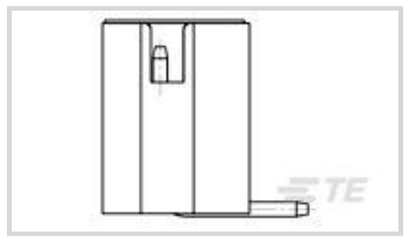
HPI

TE Internal #: 1-1775470-4

PCB Mount Header, Vertical, Wire-to-Board, 14 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Surface Mount, Signal, Natural, Reel, HPI

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



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

Number of Positions: **14**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

All AMP HPI 2.0 mm Headers (206)

Features

Product Type Features

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

Configuration Features

Number of Positions	14
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Mating Area Length	3.5 mm[.138 in]
Mating Square Post Dimension	.5 mm[.02 in]

PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Nickel
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	.5 mm[.02 in]
Termination Post & Tail Length	2 mm[.079 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
PCB Mount Retention Type	Solder Peg
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With

Housing Features

Housing Material	PA 9T GF
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	31.4 mm[1.236 in]
Connector Height	6.15 mm[.242 in]
Connector Width	5.4 mm[.213 in]

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	500
Packaging Method	Reel

Product Compliance

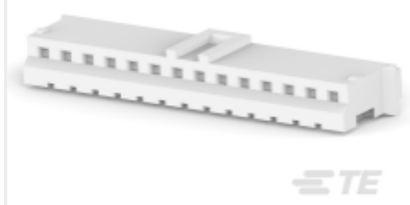
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

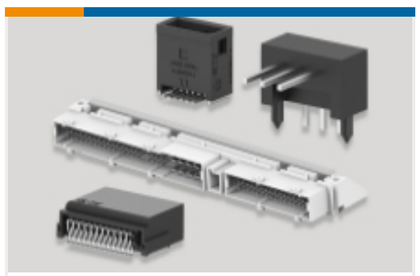


TE Part # 1-440129-4
2.0MM,HSG,14POS

Also in the Series | HPI



Connector Contacts(1)



PCB Headers & Receptacles(332)

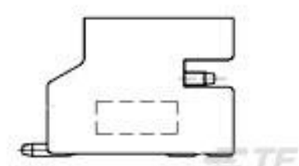


Wire-to-Board Connector Assemblies & Housings(134)

Customers Also Bought



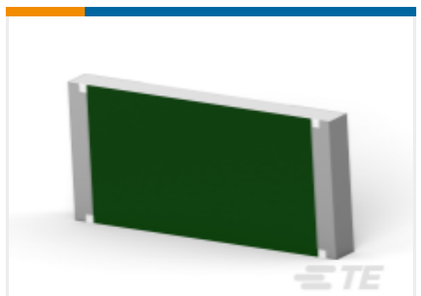
TE Part #1-440129-4
2.0MM,HSG,14POS



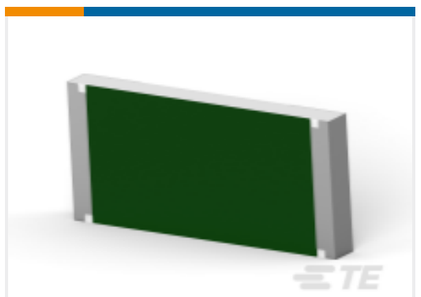
TE Part #1-1775469-4
HPI CONN., 2.0MM, R/A, SMT, 14P, 80U"



TE Part #2307813-4
4P,2MM,BB,REC,SRVT,SMD,0.1AU,TR, W/CP



TE Part #9-2176404-5
3550 100R 5%



TE Part #4-2176403-2
3550 51R 1%

Documents

Product Drawings

HPI CONN., 2.0MM, V/T, SMT, 14P, 80U"

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1775470-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1775470-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1775470-4_B.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

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

TE50BR39J 1743455-2 1969656-1 917696-1 1-794222-0 1-962915-1 2-292161-3 2834055-1 3430B2F51RTDF RH73H2A40MKTN 2377783-2 650075-000 CRGCQ2010J3K3 SBCHE154R7K SMW73R0JT U5254-000005-030PA 141991-2 936348-1 CPF0402B37K4E1 ROX05SJ18R 1393431-1 2310537-1 3-1393225-0 3631B101LL MPT100C18RF SBCHE64R7K 175977-2 1903112-2 2005330-1 2380312-2