



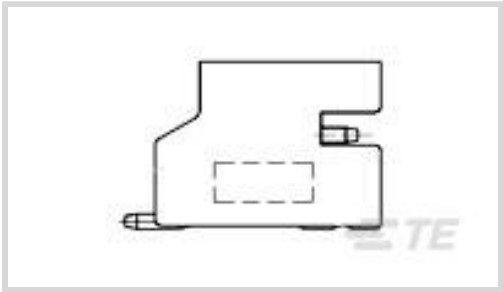
HPI

TE Internal #: 1-1775469-0

PCB Mount Header, Right Angle, Wire-to-Board, 10 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin (Sn), Surface Mount, Signal, Natural, HPI

[View on TE.com >](#)

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **1**

[All AMP HPI 2.0 mm Headers \(183\)](#)

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.53 mm[.139 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Nickel
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	1 mm[.039 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	7.6 mm[.299 in]
Connector Height	5.5 mm[.217 in]
Connector Length	23.4 mm[.921 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	600
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

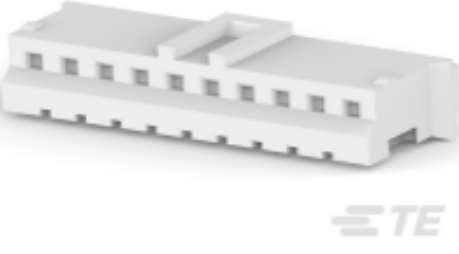
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2405418-5
10P TO 10P 300MM CABLE ASS'Y,1-440129-0

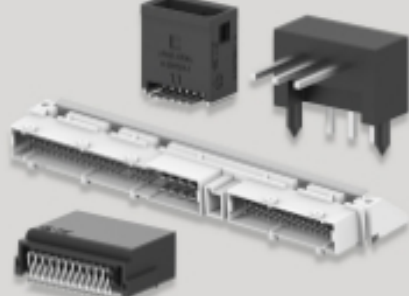


TE Part # 1-440129-0
2.0MM,HSG,10POS

Also in the Series | **HPI**



Connector Contacts(1)



PCB Headers & Receptacles(332)



Rectangular Connector Housings(51)



Rectangular Power Connectors(275)



Standard Rectangular Connectors(51)



Wire-to-Board Connector Assemblies & Housings(83)



Wire-to-Board Headers & Receptacles (332)

Customers Also Bought



TE Part #2289129-5
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, 2 LP



TE Part #2170790-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

TE Part #2343969-1
CA, Dynamic to ATX

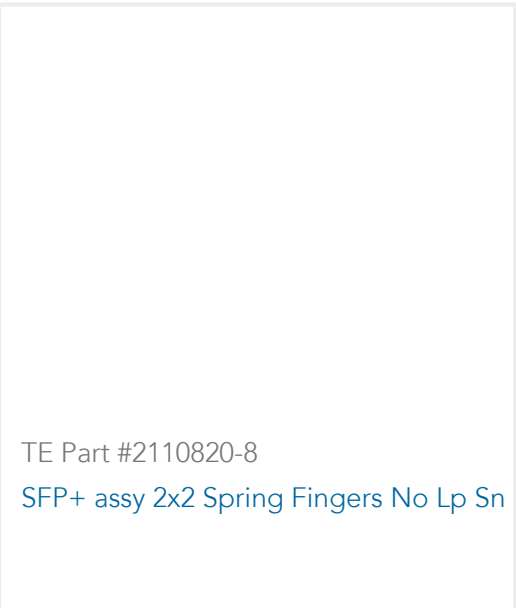
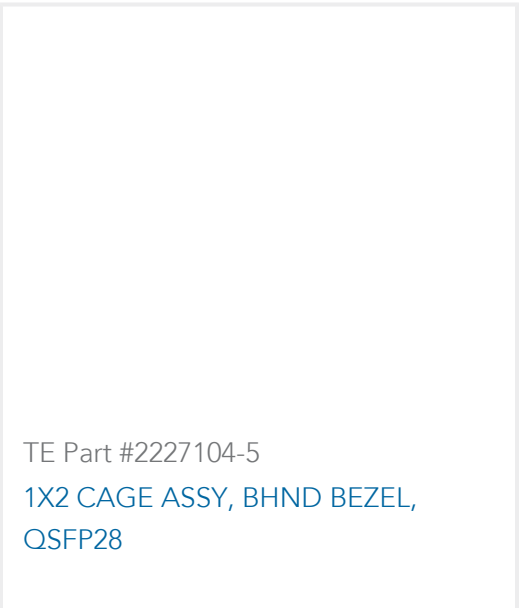
TE Part #2360945-2
RCPT CONN R/A SMT 76 POSN QSFP-DD, W/ PI

TE Part #2-2299870-3
THERMAL ZQSFP+ STACKED REC ASSEMBLY 2X2

TE Part #2360945-1
RCPT CONN R/A SMT 76 POSN QSFP-DD, W/ PI

TE Part #1775838-6
mini PCI-E 5.6H Type II G/F

TE Part #3-2007637-5
SFP+ 2x2, SPR, 4 LP Enhanced, HF, NI



Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-1775469-0_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1775469-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1775469-0_A.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

UL Report

English