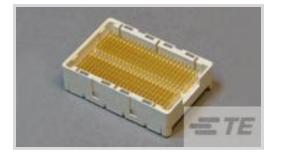
6-1761612-0 - ACTIVE

STEP-Z

TE Internal #: 6-1761612-0 PCB Mount Header, Vertical, Board-to-Board, 104 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount -Solder Ball

View on TE.com >

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: 104

Number of Rows: 2

Features

Product Type Features

PCB Connector Assembly Type

Connector System

Header Type

PCB Mount Header

Board-to-Board

Partially Shrouded



Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	104
Number of Rows	2
Board-to-Board Configuration	Parallel
Electrical Characteristics	
Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	18 MΩ
Operating Voltage	48 VAC
Body Features	
Primary Product Color	Natural
Contact Features	

PCB Mount Header, Vertical, Board-to-Board, 104 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount - Solder Ball



Contact Layout	Matrix
Mating Tab Width	1 mm[.04 in]
Mating Tab Thickness	.2 mm[.008 in]
Contact Shape & Form	Dual Beam, Single Beam, Square
PCB Contact Termination Area Plating Material	Tin-Silver
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[29.9212 μin]
Contact Type	Tab
Contact Current Rating (Max)	1 A
Termination Features	
Termination Method to Printed Circuit Board	Surface Mount - Solder Ball
Mechanical Attachment	
Mating Retention	With
Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	1.3 mm[.051 in]
Housing Material	Thermoplastic
Dimensions	
Connector Height	10.95 mm[.43 in]
Row-to-Row Spacing	2 mm[.079 in]
Stack Height	15 mm, 21 mm, 25 mm[.984 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]
Usage Conditions	
Operating Temperature Range	0-100 °C[32-212 °F]
Operation/Application	
Assembly Process Feature	None
Circuit Application	Power & Signal
Industry Standards	

PCB Mount Header, Vertical, Board-to-Board, 104 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount - Solder Ball



UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	30
Packaging Method	Package
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

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

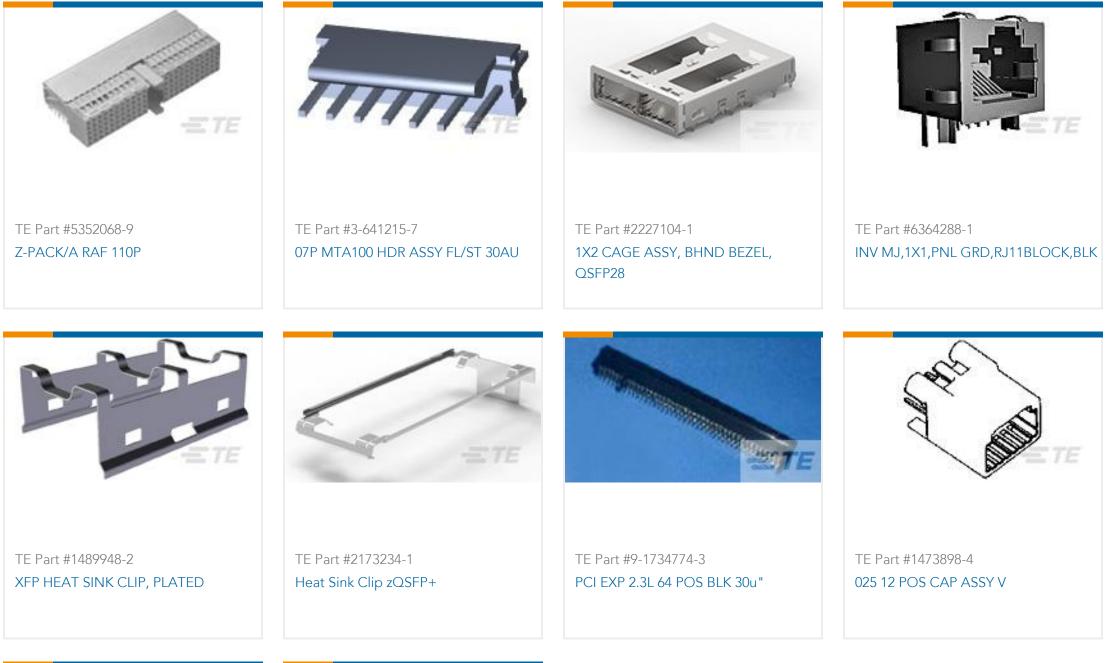
Compatible Parts



PCB Mount Header, Vertical, Board-to-Board, 104 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount - Solder Ball



Customers Also Bought





3430 A3 1% 2R0 200ppm 1k RL

SFP+ assy 2x2 Spring Fingers No Lp Sn

Documents

Product Drawings STEP-Z PLUG 10MM 104P LF ST

English

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_6-1761612-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-1761612-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-1761612-0_A.3d_stp.zip

English

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

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PCB Mount Header, Vertical, Board-to-Board, 104 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount - Solder Ball



Datasheets & Catalog Pages STEP-Z Interconnection System

English

Product Specifications Application Specification

English