7-2007614-5 ✔ ACTIVE

STEP-Z

TE Internal #: 7-2007614-5

PCB Mount Header, Vertical, Board-to-Board, 200 Position, 1.3 mm [.051 in] Centerline, Partially Shrouded, Gold, Surface Mount - Solder Ball

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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: **200**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	200
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	18 MΩ
Dielectric Withstanding Voltage (Max)	500 VDC
Operating Voltage	48 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Matrix
Mating Tab Width	1 mm[.039 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	25.95 mm[1.02 in]
Row-to-Row Spacing	2 mm[.079 in]
Stack Height	30 mm, 36 mm, 40 mm[1.575 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

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	28
Packaging Type	Tray

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

TE Part # 6-1761615-1
STEP-Z RCPT 11MM 200P LF ST

TE Part # 6-1761615-5
STEP-Z RCPT 15MM 200P LF ST

TE Part # 5-1761615-5
STEP-Z RCPT 05MM 200P LF ST

TE Part # 5-2007615-5
STEP-Z RCPT 05MM 200P LF HT

Documents

Product Drawings

STEP-Z PLUG 25MM 200P LF HT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-2007614-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-2007614-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-2007614-5_B.3d_stp.zip

English

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Product Specifications

Application Specification

English