

**STEP-Z**

TE Internal #: 6-1761615-1

PCB Mount Receptacle, Vertical, Board-to-Board, 200 Position, 1.3 mm [.051 in] Centerline, Gold (Au), Surface Mount - Solder Ball, Power & Signal

[View on TE.com >](#)
[Connectors >](#) [PCB Connectors >](#) [PCB Headers & Receptacles](#)
PCB Connector Type: **PCB Mount Receptacle**Connector System: **Board-to-Board**Number of Positions: **200**Number of Rows: **2**Centerline (Pitch): **1.3 mm [.051 in]****Features****Product Type Features**

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

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

Electrical Characteristics

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

Body Features

Primary Product Color	Natural
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Contact Features



Mating Tab Width	1 mm[.04 in]
Contact Shape & Form	Dual Beam, Single Beam
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Mating Tab Thickness	.2 mm[.008 in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1 A
PCB Contact Termination Area Plating Material	Tin-Silver
Contact Mating Area Plating Material Thickness	.76 μ m[29.92 μ in]

Termination Features

Termination Method to PCB	Surface Mount - Solder Ball
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Mechanical Attachment

Mating Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	1.3 mm[.051 in]
Housing Material	Thermoplastic

Dimensions

Connector Height	16.65 mm[.654 in]
Row-to-Row Spacing	2 mm[.079 in]
Stack Height	21 mm, 23 mm, 24 mm, 26 mm, 31 mm, 36 mm[1.417 in]
PCB Thickness (Recommended)	1.57 mm[.8 in]

Usage Conditions

Operating Temperature Range	0 – 100 °C[32 – 212 °F]
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Operation/Application

Assembly Process Feature	None
Circuit Application	Power & Signal



Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	25
Packaging Method	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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

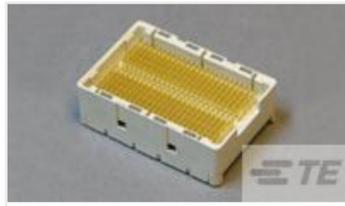
Product Compliance Disclaimer

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 # 6-2007614-5
STEP-Z PLUG 15MM 200P LF HT



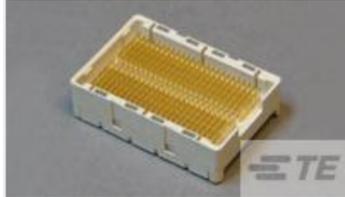
TE Part # 6-1761614-2
STEP-Z PLUG 12MM 200P LF ST



TE Part # 6-1761614-3
STEP-Z PLUG 13MM 200P LF ST



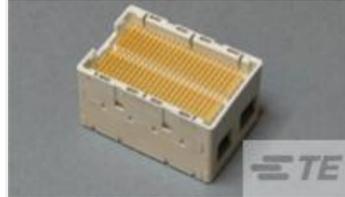
TE Part # 7-2007614-5
STEP-Z PLUG 25MM 200P LF HT



TE Part # 6-2007614-0
STEP-Z PLUG 10MM 200P LF HT



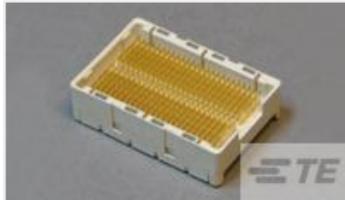
TE Part # 6-1761614-5
STEP-Z PLUG 15MM 200P LF ST



TE Part # 7-1761614-0
STEP-Z PLUG 20MM 200P LF ST



TE Part # 7-1761614-5
STEP-Z PLUG 25MM 200P LF ST



TE Part # 6-1761614-0
STEP-Z PLUG 10MM 200P LF ST

Customers Also Bought



TE Part #1367337-2
70 POS PT CONNECTOR, X2,
XENPAK, 30 AU



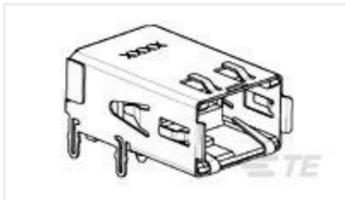
TE Part #6-1761614-3
STEP-Z PLUG 13MM 200P LF ST



TE Part #6-1761614-5
STEP-Z PLUG 15MM 200P LF ST



TE Part #3-1871843-3
GIC 2.5 HDR ASSY TIN VERSION 3P
YELLOW



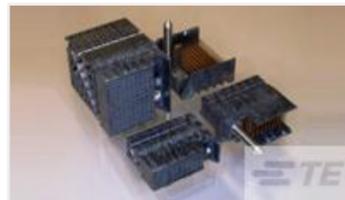
TE Part #1888372-1
RECPT,HSSDC2,FIBRE,ON TAPE



TE Part #1892801-1
MBXL VERT HDR 16S+2p



TE Part #2057692-1
IMP100S,R,RA3P8C,RG,39



TE Part #2007778-3
IMP100S,H,V3P10C,LG,REW46,5.5



TE Part #2132536-3
[IMP100S,H,V3P6C,UG,DEW46,5.5](#)



TE Part #5-146309-8
[16 MODII HDR DRRA B/A .100CL](#)

Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-1761615-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1761615-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1761615-1_A.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English