



Connectors > PCB Connectors > PCB Headers & Receptacles > High-speed Mezzanine Connector: Pin & Socket Connector



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **320**

Number of Rows: **8**

[All High-speed Mezzanine Connector: Pin & Socket Connector \(33\)](#)

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

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	320
Number of Rows	8

Electrical Characteristics

Operating Voltage	250 VAC
Dielectric Withstanding Voltage (Max)	750 VAC

Signal Characteristics

Data Rate	10 Gb/s
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.076 μm[30 μin]
Mating Tab Width	.43 mm[.017 in]
Contact Shape & Form	Square
Contact Layout	Matrix
Contact Base Material	Beryllium Copper
Mating Tab Thickness	.46 mm[.017 in]
PCB Contact Termination Area Plating Material	Tin-Silver-Copper
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to PCB	Surface Mount - Solder Ball
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Mechanical Attachment

Mating Alignment Type	Polarizing Rib, Self-Aligning (Alignment Free)
PCB Mount Retention Type	Solder Ball
PCB Mount Alignment Type	None
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	LCP
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
Stack Height	18 mm[.709 in]



PCB Thickness (Recommended)	2.36 mm[.093 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Packaging Features

Packaging Method	Pocket Tape
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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>

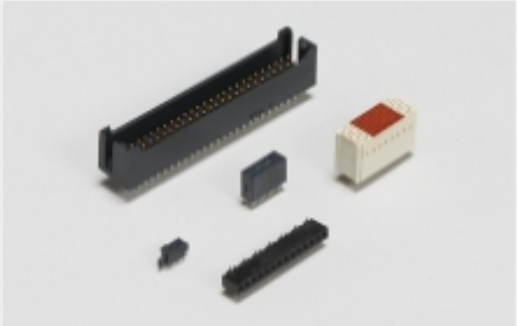
Compatible Parts



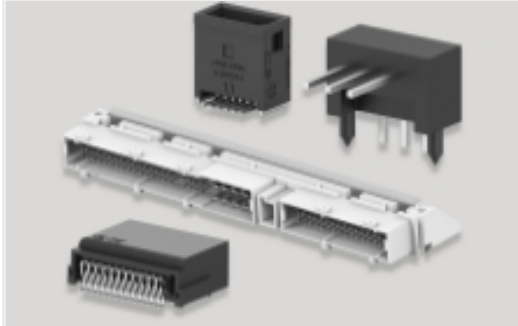
TE Part # 2102429-4
Pin Assy, 320 Psn, LF, 30 AU, Mezalok

Also in the Series

AMP Mezalok

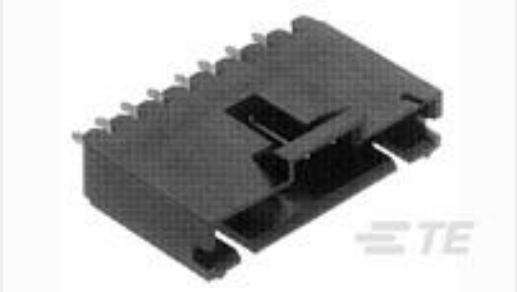


Board-to-Board Headers &
Receptacles(26)



PCB Headers & Receptacles(26)

Customers Also Bought



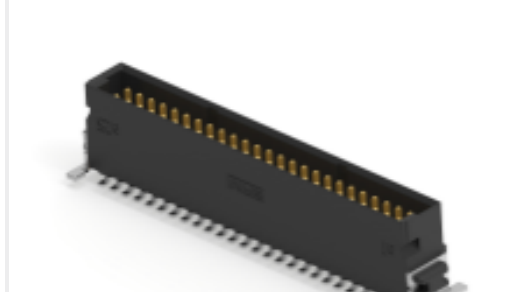
TE Part #103670-3
04 MTE HDR SRST LATCH W/HLDWN



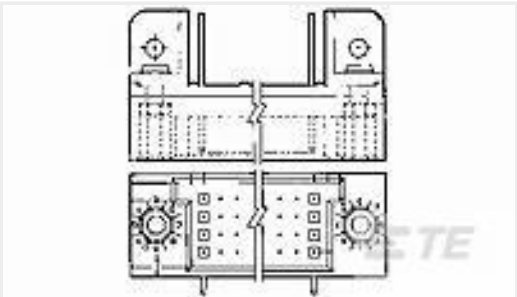
TE Part #5352068-1
Z-PACK/A RAF 110P



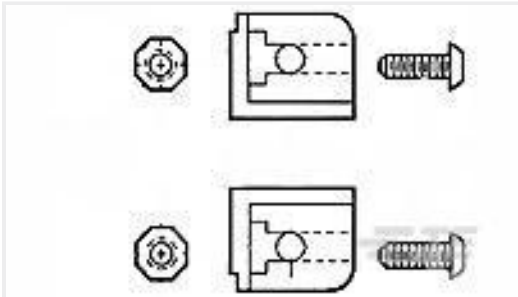
TE Part #2102430-6
Skt Assy, 320, LF, 30 AU, 10mm,
Mezalok



TE Part #244856-E
SMCQ 50 M AB VV 8-03 CL * H007 137
E005



TE Part #533286-5
HDI PIN ASSY 4 ROW 160 POS R/A



TE Part #533050-1
HDI MOUNTING EAR KIT



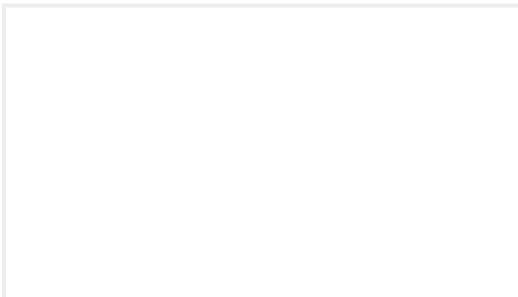
TE Part #1757836-1
AMPLIMITE, R/A RCPT ASY, 109, ZN, 1



TE Part #5053192266
RNF-100-1/2-BK-STK



TE Part #997183-000
TTMS-3.2-9



TE Part #104112-E
ERMA 110 FS 1 EE * 3,70 A-E V-V *
TRAY 2



Documents

Product Drawings

Skt Assy, 320, LF, 30 AU, 18mm, Mezalok

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2102430-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2102430-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2102430-2_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Mezalok Connector Brochure

English

Product Specifications

Product Specification

English