

1-2102061-6 ✓ ACTIVE

[Mezalok](#) | [AMP Mezalok](#)

TE Internal #: 1-2102061-6

AMP Mezalok, PCB Mount Receptacle, Vertical, Board-to-Board,
114 Position, 1.27mm [.05in] Centerline, Gold, Printed Circuit Board

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **114**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

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

Configuration Features

Number of Rows	6
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	114
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Contact Features

Contact Layout	Matrix
Mating Tab Width	.43 mm[.017 in]
Mating Tab Thickness	.46 mm[.018 in]
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright



Contact Underplating Material	Nickel
Contact Base Material	Beryllium Copper
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm [29.9212 μin]
Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount - Solder Ball
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Mechanical Attachment

PCB Mount Alignment Type	None
PCB Mount Retention Type	Solder Ball
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	1.27 mm[.05 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	11 mm[.432 in]
Row-to-Row Spacing	1.27 mm[.05 in]
Stack Height	15 mm[.591 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]

Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards



Industry Standard	VITA 61
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Packaging Features

Packaging Quantity	230
Packaging Method	Tape & Reel

Other

Comment	Conforms to requirement of VITA 61 (VITA 42 Alternate)., VITA 42 and VITA 61 are not intermateable but are footprint and XMC architecture compatible.
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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 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

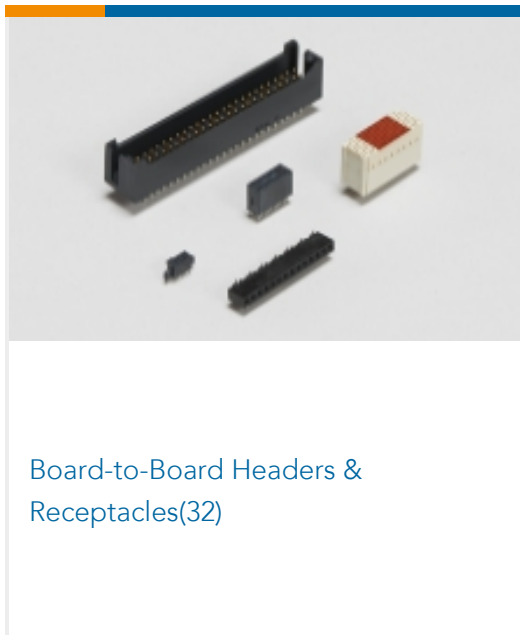
Product Compliance Disclaimer

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>

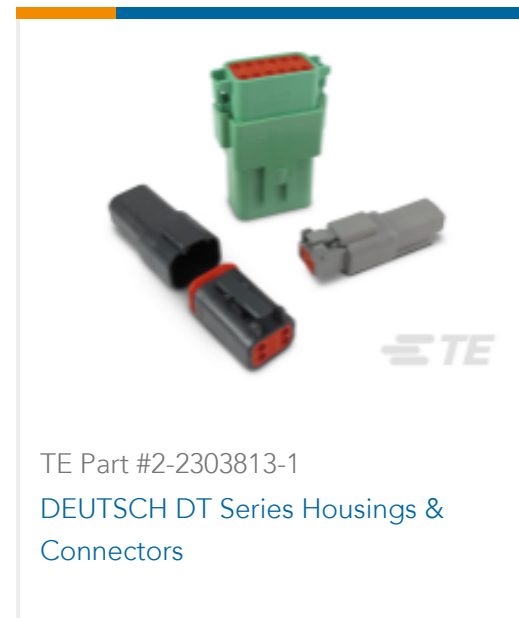
Compatible Parts



Also in the Series | AMP Mezalok



Customers Also Bought





Documents

Product Drawings

[Mezalok, Socket, 114 p, 15 mm, 30 Au, LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2102061-6_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2102061-6_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2102061-6_K.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

[SOSA Aligned Interconnect Solutions](#)

English

Product Specifications

[Product Specification](#)

English