



Connectors > PCB Connectors > PCB Connector Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **320**

Number of Rows: **8**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VAC
Operating Voltage	250 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 Layout	Matrix
Mating Tab Width	.43 mm[.017 in]
Mating Tab Thickness	.46 mm[.017 in]
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
Contact Type	Pin
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 Slot, Self-Aligning (Alignment Free)
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 Material	LCP (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]

Usage Conditions

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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 Type	Pocket Tape
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (36.09% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 2102430-1
Socket Assy, 320 Psn, TL, 10mm, Mezalok




TE Part # 2102430-9
Socket Assy, 320 Psn, TL, 18mm, Mezalok



TE Part # 2355827-1
Mezalok, LF SKT, 320 p, 10 mm, 50 Au, TL

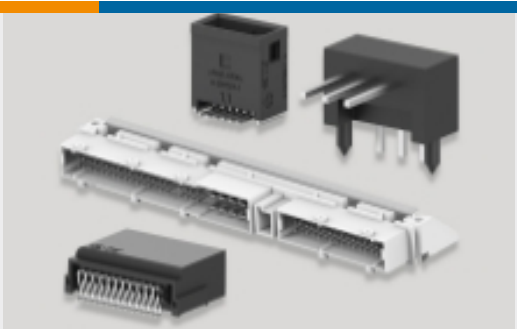


TE Part # 2355827-9
Mezalok, LF SKT, 320 p, 18 mm, 50 Au, TL



TE Part # 2102430-3
Socket Assy, 320 Psn, TL, 12mm, Mezalok

Also in the Series | Mezalok HSLF



PCB Connector Headers & Receptacles (21)

Customers Also Bought



TE Part # YDTS20W09-98PBV001
RECP ASSY



TE Part # YDTS20W13-35PCV001
RECP ASSY



TE Part # YDTS20W15-19PAV001
RECP ASSY



TE Part # YDTS20W15-35PCV001
RECP ASSY



TE Part # YDTS20W23-35SBV001
RECP ASSY



TE Part # YDTS20W25-24PAV001
RECP ASSY



TE Part # YACT20JB35PNV00100
SQUARE FLANGE RECEPTACLE



TE Part # YACT20JD35PNV00100
SQUARE FLANGE RECEPTACLE



Documents

Product Drawings

Pin Assy, 320 Psn, Tin Lead, Mezalok

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2102429-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2102429-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2102429-1_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