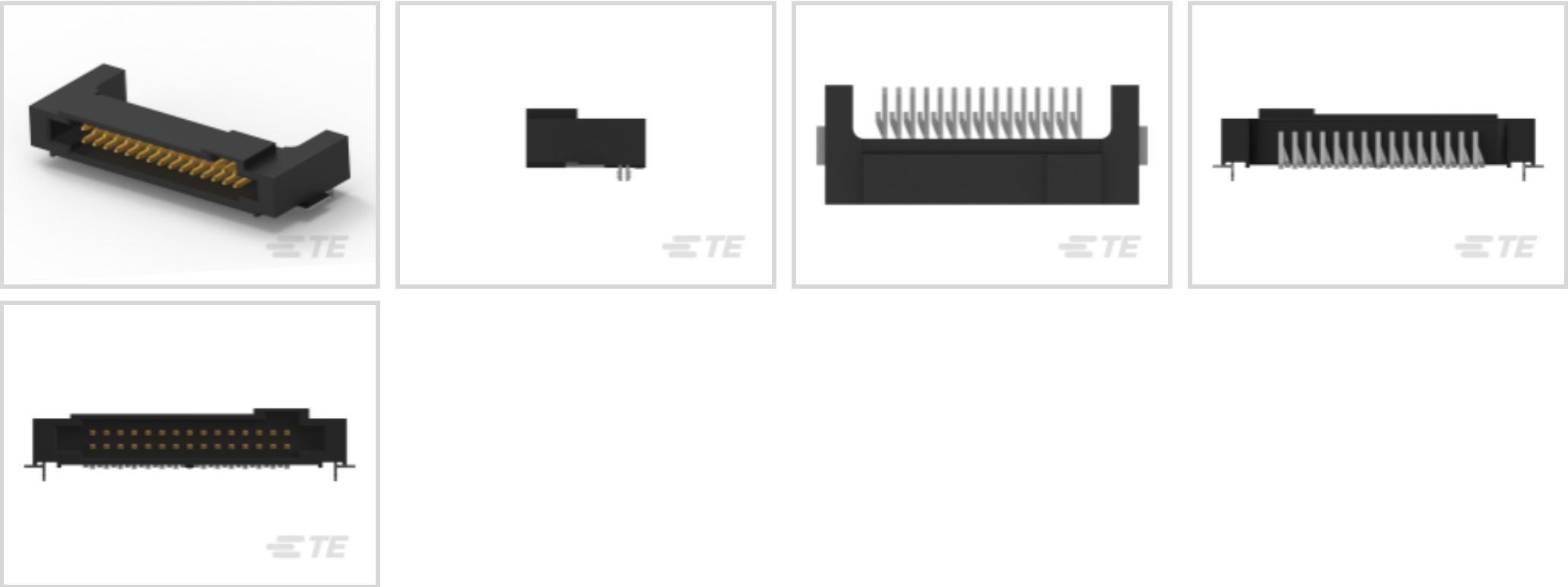




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **90**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	90
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Dielectric Withstanding Voltage (Max)	300 VAC



Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin-Lead over Nickel
Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.46 mm[.018 in]
	150 μin
Contact Shape & Form	Square
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Diameter	.46 mm[.018 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Keyed
PCB Mount Retention Type	Hold-Down Post
PCB Mount Retention	With
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
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Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	7
Packaging Method	Box, Tube

Product Compliance

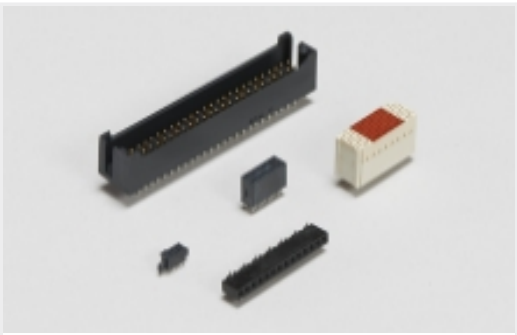
For compliance documentation, visit the product page on TE.com>

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (40% in 3433454) 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>

Also in the Series | AMPMODU 50/50 Grid



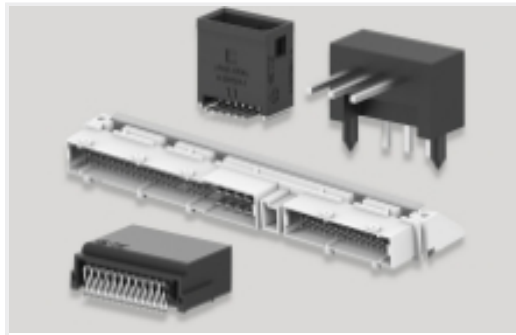
Board-to-Board Headers & Receptacles(193)



Connector Caps & Covers(7)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(193)



Rectangular Power Connectors(12)

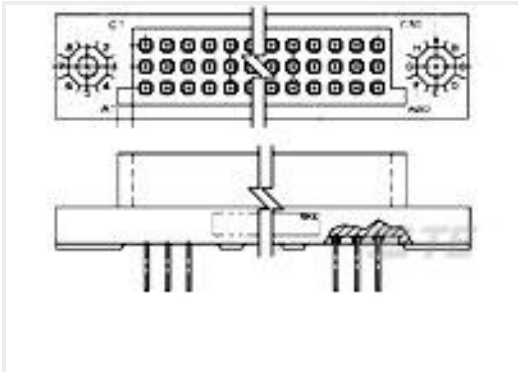


Ribbon Cable Connectors(21)

Customers Also Bought



TE Part #1623978-3
SC15-10-1045-10 100UH AMMO 1000



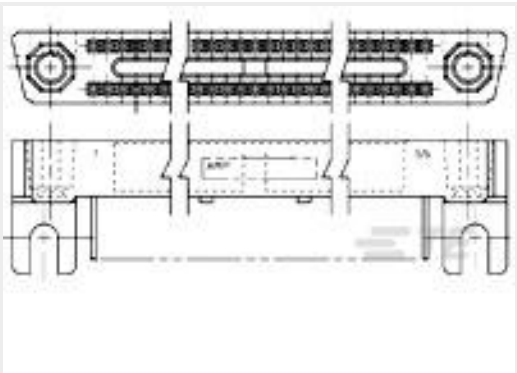
TE Part #443857-3
3 ROW BOX RECEPTACLE, 180 POS



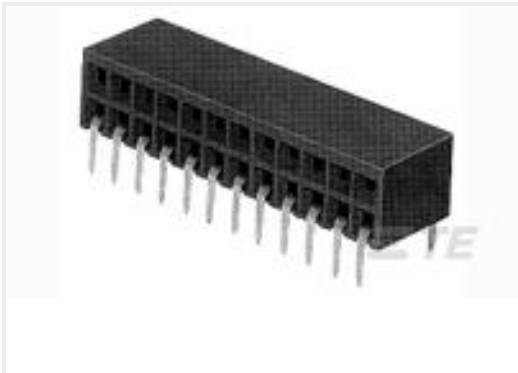
TE Part #5-1617352-3
JMGSCDD-5PW=M39016/43-049P



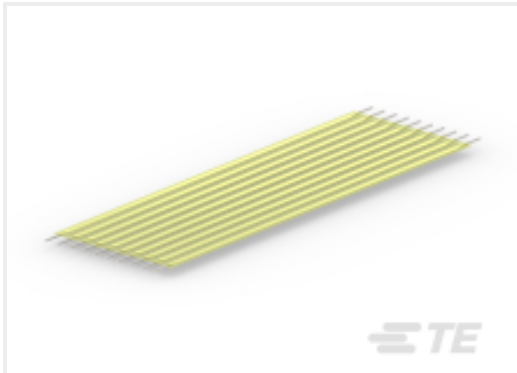
TE Part #YDTS20F21-39SCV001
RECP ASSY



TE Part #443851-1
MINI BOX RCPT ASSY/MTG EARS



TE Part #4-87962-2
86 MODII HORZ DR CE 100CL/115



TE Part #3-1437193-0
FST140569621 FST-24A-22V4



TE Part #899173-004
LSS-81-16A

Documents

Product Drawings
90 50/50 GRID RA HDR

English

CAD Files
Customer View Model
ENG_CVM_104894-9_J.3d_stp.zip

English

Customer View Model



[ENG_CVM_104894-9_J.2d_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_104894-9_J.3d_igs.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English

[Agency Approvals](#)

[UL Report](#)

English