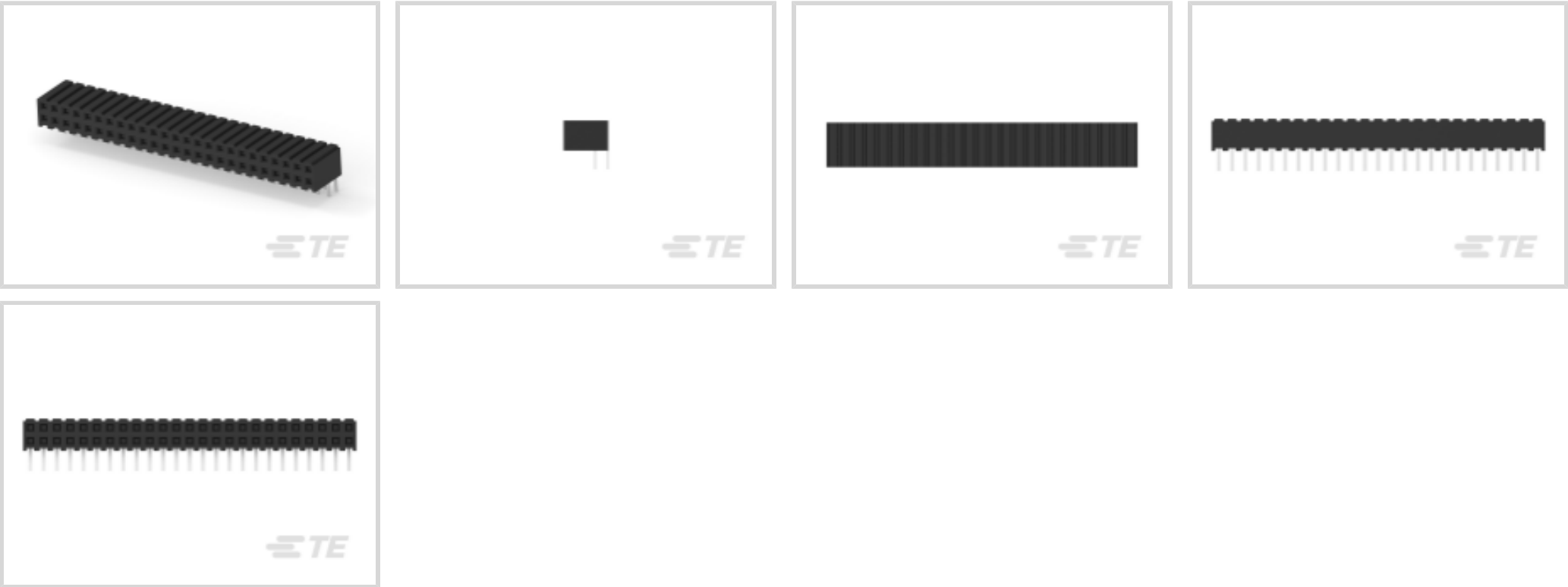




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Horizontal, Right Angle**
Connector System: **Board-to-Board**
Number of Positions: **50**
Number of Rows: **2**

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

Connector Contact Load Condition	Fully Loaded
Stackable	Yes
PCB Mount Orientation	Horizontal, Right Angle
Number of Positions	50
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Dielectric Withstanding Voltage (Max)	650 VAC



Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	.254 μm[10 μin]
Mating Square Post Dimension	.5 mm[.02 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Method	Box, Tube
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Other

Position Locations Omitted	0
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Product Compliance

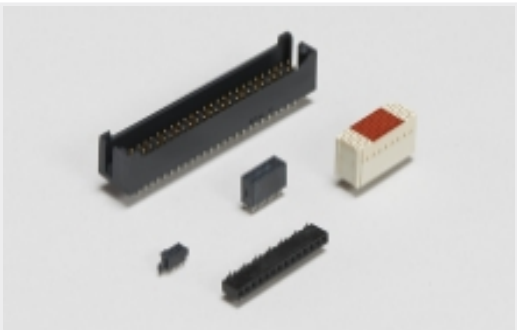
For compliance documentation, visit the product page on TE.com>

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	Wave solder capable to 265°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>

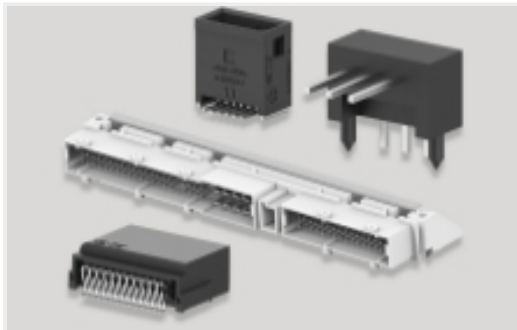
Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(8160)



Connector Contacts(27)



PCB Headers & Receptacles(8190)



Wire-to-Board Connector Assemblies & Housings(202)

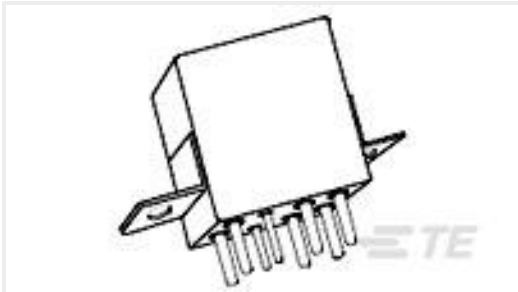


Wire-to-Board Headers & Receptacles (1037)

Customers Also Bought



TE Part #1612618-1
DDR SODIMM SOCKET 200POS SEMI-



TE Part #1-1617749-7
FCA-210-1022L=M83536/10-022L



TE Part #6-1879214-0
CPF 0402 1K47 0.1% 25PPM 1K RL



TE Part #5747840-4
HD-20 PLUG RA .318 FMS BD-LK 4



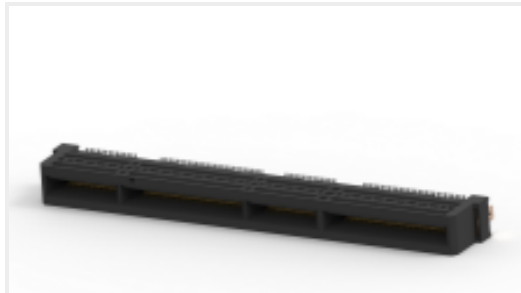
TE Part #2-1622824-8
RL73H 3A R27 1% 4K RL



TE Part #5-1622824-7
RL73N 1E R47 5% 5K RL



TE Part #6-2176092-7
RP 2A 0.25W 3K74 0.1% 25PPM 1K RL



TE Part #2333799-2
RCPT ASSY, VERT, 168 POS, SLIVER 2.0



TE Part #3-2176311-0
RP 1E 0.1W 2K32 0.1% 25PPM 1K RL



TE Part #8-1879213-4
CPF 0402 221R 0.1% 25PPM 1K RL

Documents



Product Drawings

RCPT,2MM,50P,R ANG MT,8AU,3.ST

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-1734531-0_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1734531-0_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1734531-0_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Product Specifications

Product Specification

English