

AMPMODU | AMPMODU System 50

TE Internal #: 104550-8

PCB Mount Receptacle, Vertical, Board-to-Board, 80 Position, 1.27

mm [.05 in] Centerline, Gold, Surface Mount, Signal, Black,

AMPMODU System 50

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: PCB Mount Receptacle

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 80

Number of Rows: 2

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

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	80
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 ΜΩ
Operating Voltage	30 VAC

Body Features

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

Contact Features



Mating Square Post Dimension	.38 mm[.015 in]
	150 μin
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	.762 μm[30 μin]
Contact Type	Socket
Contact Current Rating (Max)	3.6 A
Termination Features	
Rectangular Termination Post & Tail Thickness	3.6 mm[.015 in]
Rectangular Termination Post & Tail Width	.2 mm[.008 in]
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
PCB Mount Retention Type	Hold-Down Post
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Thermoplastic
Dimensions	
Connector Length	9.4 mm[.37 in]
Connector Height	9.4 mm[.37 in]
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Usage Conditions	
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Solder Process Feature	Board Standoff
Circuit Application	Signal
Industry Standards	



Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Reel Diameter	9 mm
Packaging Quantity	9
Packaging Type	Box, Tube

Product Compliance

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

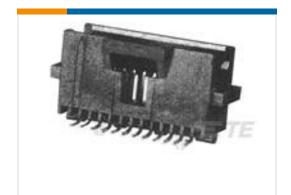
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% 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 # 104549-9 80 SYS50 SURFMNT HDR DRST SHRD



TE Part # 104069-3 80 SYSTEM 50 HDR DRRA SHRD



TE Part # 104477-6 80 SYSTEM 50 HDR DRRA SHRD





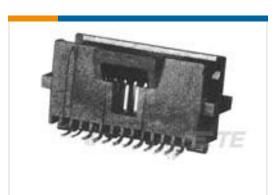
TE Part # 1-104068-6 80 SYSTEM 50 HDR DRST SHRD



TE Part # 1-104118-6 80 SYSTEM 50 HDR DRRA UNSHRD



TE Part # 104666-5 80 SYSTEM 50 HDR DRST SHRD



TE Part # 147377-7 80 SYS50 SMT HDR DR SHD W/O HD



Also in the Series | AMPMODU System 50



Documents

Product Drawings

80 SYS50 SURFMNT DRST RCPT

English

CAD Files

3D PDF

3D

Customer View Model



ENG_CVM_CVM_104550-8_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_104550-8_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104550-8_S.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English