

6-104477-2 ✓ ACTIVE

AMPMODU | AMPMODU System 50

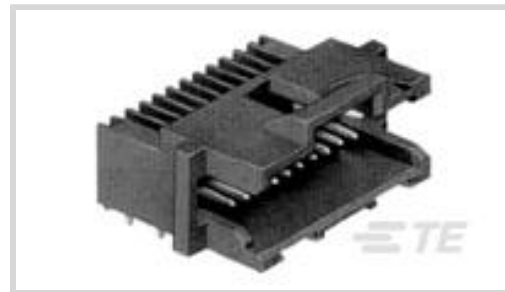
TE Internal #: 6-104477-2

PCB Mount Header, Right Angle, Board-to-Board, 10 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold, AMPMODU System 50

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

## Features

### Other

EU RoHS Compliance Compliant

EU ELV Compliance Compliant

### 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

Connector Contact Load Condition Fully Loaded

Board-to-Board Configuration Perpendicular

PCB Mount Orientation Right Angle

Number of Positions 10

Number of Rows 2

### Electrical Characteristics

Operating Voltage 30 VAC

Insulation Resistance 5000 MΩ

Dielectric Withstanding Voltage (Max) 500 VAC



### Body Features

Connector Profile	Standard
Primary Product Color	Black

### Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 $\mu\text{m}$ [150 – 250 $\mu\text{in}$ ]
Contact Shape & Form	Rectangular
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3.6 A

### Termination Features

Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Post & Tail Length	3.68 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

### Mechanical Attachment

Mating Retention Type	Latching
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down Post
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

### Housing Features

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

### Dimensions

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Row-to-Row Spacing	2.54 mm[.1 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

Compatible With Agency/Standards Products	UL, CSA
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476, CSA LR7189
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	40
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Packaging Method	Tube, Box
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 260°C
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#### 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 # 1-487937-0  
010 HOUSING FFC 50CL DR LATCH



TE Part # 2-111196-5  
010 RCPT SYSTEM 50 30 DPLX

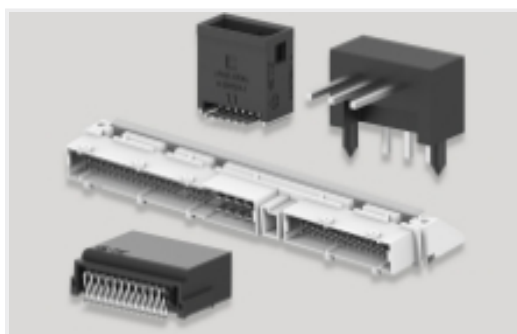


TE Part # 5-104078-3  
10 SYSTEM 50 RCPT ASSY DRST SN



TE Part # 5-104550-1  
10 SYS50 SURFMNT DRST RCPT SN

## Also in the Series | AMPMODU System 50



PCB Headers & Receptacles(685)

## Customers Also Bought



TE Part #2-111196-5  
010 RCPT SYSTEM 50 30 DPLX

## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_6-104477-2\\_AD.2d\\_dxf.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_6-104477-2\\_AD.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-104477-2\\_AD.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION3AND4](#)

English

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**Product Specifications**

[Application Specification](#)

English