



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

50 SYSTEM 50 HDR DRST SHRD

AMPMODU | AMPMODU System 50

5-104068-5

TE Internal Number: 5-104068-5

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm [.05 in]**

Number of Positions **50**

Header Type **Shrouded**

Product Drawings

HEADER ASSEMBLY, VERTICAL SHROUDED, DOUBLE ROW W/SIDE & END LATCHES, AMPMODU System 50

PDF
English

CAD Files

3D PDF

PDF
3D

Customer View Model

2D_DXF.ZIP
English

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Catalog Pages/Data Sheets

Ribbon Cable Interconnect Solutions

PDF
English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

PDF
English

Product Environmental Compliance

TE Material Declaration

MD_5-104068-5_07242015615_dmtec

PDF
English













Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

| | | |
|----------------------------|---|------------------------------|
| Product Type Features | Applies To | Printed Circuit Board |
| | Connector Style | Plug |
| | PCB Mounting Orientation | Vertical |
| | Connector Type | Header |
| | Row-to-Row Spacing | 2.54 mm [.1 in] |
| | Stabilizers | Without |
| | Strain Relief | Without |
| | Board Standoff | With |
| | Profile | Standard |
| | Product Type | Connector |
| | Gasket | Without |
| Configuration Features | Number of Positions | 50 |
| | Number of Rows | 2 |
| | Keyed | No |
| | Selectively Loaded | No |
| Electrical Characteristics | Voltage (VAC) | 30 |
| | Dielectric Withstanding Voltage | 500 V |
| Body Features | Header Type | Shrouded |
| | Post Size | .381 mm [.015 in] |
| Contact Features | Contact Protection | With |
| | Contact Shape | Round |
| | Contact Type | Pin |
| | Contact Base Material | Copper Alloy |
| | Contact Mating Area Plating Thickness (µin) | 30 |
| | Solder Tail Contact Plating Material | Tin over Nickel |
| | Contact Mating Area Plating Material | Gold |
| | Contact Protection Type | Shrouded |
| | Contact Current Rating (A) | 1 |
| Termination Features | Termination Post Length | 2.54 mm [.1 in] |
| | Termination End Plating Thickness (µin) | 150 – 250 |
| | Termination End Plating Material | Matte Tin-Lead |

| | Termination Method to PC Board | Through Hole |
|-----------------------|---|--|
| Mechanical Attachment | PCB Mounting Style | Through Hole |
| | PCB Mount Retention | Without |
| | Mating Connector Lock Type | Detent Latching |
| | Panel Mount Retention | Without |
| | Mating Alignment | With |
| | Mating Connector Lock | With |
| | Mating Alignment Type | Polarization |
| Housing Features | Centerline | 1.27 mm [.05 in] |
| | Housing Color | Black |
| | Housing Material | Thermoplastic |
| | Housing Style | 2-Sided |
| Dimensions | PCB Thickness (Recommended) | 1.397 mm [.055 in] |
| | Mating Post Length | 2.54 mm [.1 in] |
| Usage Conditions | Operating Temperature Range (°C) | -65 – 105 |
| Industry Standards | UL Flammability Rating | UL 94V-0 |
| | Approved Standards | CSA LR7189, UL E28476 |
| Packaging Features | Packaging Quantity | 13 |
| | Packaging Method | Tube, Tube/Box |
| Other | Comment | **Position identification feature omitted on 10 and 12-position headers. |
| Product Compliance | Statement of Compliance | |
| | VIEW ALL PRODUCT COMPLIANCE | |

CUSTOMERS ALSO BOUGHT

| | | | |
|--|---|---|--|
| <div>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</div> <div></div> | <div>WIRE-TO-BOARD HEADERS & RECEPTACLES</div> <div></div> | <div>SURFACE MOUNT RESISTORS</div> <div></div> | <div>BOARD-TO-BOARD HEADERS & RECEPTACLES</div> <div></div> |
|--|---|---|--|

| | | | |
|---|---|---|---|
|  50 sys 50 hdr drra shrd sn 5-104069-2 |  50 RCPT SYSTEM 50, LEAD FREE 2-111196-1 |  CPF 0402 374R 0.1% 25PPM 1K RL CPF0402B374RE1 |  30 MODII HORZ DR CE EESS .100 2-5535512-2 |
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Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


| | | | |
|--|--|---|---|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Board-to-Board Headers & Receptacles AMPMODU AMPMODU System 50 50 SYS50 SURFMNT DRST RCPT SN - 5-104550-6 TE INTERNAL NUMBER: 5-104550-6</p> <p>✓ Active</p> | <p>Always EU RoHS/ELV Compliant</p> <p>Connector Style Receptacle</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 50</p> <p>Packaging Method Tube, Tube/Box</p> <p>Contact Mating Area Plating</p> <p>Material Gold</p> |  |
|--|--|---|---|

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

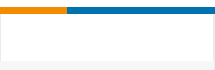

| | | | |
|---|--|--|---|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - FFC Connectors FFC FFC 050 HOUSING FFC 50CL DR LATCH - 5-487937-0 TE INTERNAL NUMBER: 5-487937-0</p> <p>✓ Active</p> | <p>Always EU RoHS/ELV Compliant</p> <p>Connector Type Housing</p> <p>Connector Style Receptacle</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 50</p> <p>Number of Rows 2</p> |  |
|---|--|--|---|

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

| | | | |
|---|---|-------------------------------------|---|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Board-to-Board Headers &</p> | <p>Always EU RoHS/ELV Compliant</p> |  |
|---|---|-------------------------------------|---|



Receptacles
AMPMODU | AMPMODU System 50
50 SYS50 SMT RCP DR
SHD SN - 5-147378-5
TE INTERNAL NUMBER: 5-147378-5

✓ Active

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

Material **Gold**