



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

50 SYS50 SMT HDR DR SHD W/O HD

AMPMODU | AMPMODU System 50

147377-5

TE Internal Number: 147377-5

5 of 6 EU RoHS/ELV Compliant

[Find Compliant Alternatives](#)

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **50**

Header Type **Shrouded**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

Product Drawings

[HEADER ASSEMBLY, W/SIDE & END LATCHES, VERTICAL, SHROUDED, DOUBLE ROW, SURFACE MOUNT AMPMODU System 50, W/O HOLDDOWNS](#)

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

Product Environmental Compliance

TE Material Declaration

[MD_147377-5_0724201569_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

| | | |
|----------------------------|--|------------------------|
| | Connector Type | Header |
| | Row-to-Row Spacing (in) | .1 |
| | Stabilizers | Without |
| | Strain Relief | Without |
| | Board Standoff | With |
| | Product Type | Connector |
| | Gasket | Without |
| <hr/> | | |
| Configuration Features | Number of Positions | 50 |
| | Number of Rows | 2 |
| | Keyed | Yes |
| | Selectively Loaded | No |
| <hr/> | | |
| Electrical Characteristics | Voltage (VAC) | 30 |
| | Dielectric Withstanding Voltage | 500 V |
| <hr/> | | |
| Body Features | Header Type | Shrouded |
| | Post Size (in) | .022 |
| <hr/> | | |
| Contact Features | Contact Protection | With |
| | Contact Shape | Round |
| | Contact Type | Pin |
| | Contact Base Material | Phosphor Bronze |
| | Contact Mating Area Plating Thickness (μin) | 30 |
| | Solder Tail Contact Plating Material | Tin |
| | Contact Mating Area Plating Material | Gold |
| | Contact Protection Type | Shrouded |
| <hr/> | | |
| Termination Features | Termination Post Length (in) | .031 |
| | Termination End Plating Thickness (μin) | 150 |
| | Termination End Plating Material | Tin-Lead |
| | Termination Method to PC Board | Surface Mount |
| <hr/> | | |
| Mechanical Attachment | PCB Mounting Style | Surface Mount |
| | PCB Mount Retention | Without |
| | Panel Mount Retention | With |
| | Mating Alignment | With |

| | | |
|--------------------|---|------------------------------|
| | Mating Connector Lock | With |
| | Mating Alignment Type | Polarization |
| Housing Features | Centerline | 1.27 mm [.05 in] |
| | Housing Color | Black |
| | Housing Material | PPA |
| Dimensions | Mating Post Length (in) | .031 |
| 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 | 250 |
| | Packaging Method | Tape & Reel |
| Product Compliance | Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE | |

Products - 9 Results

[View All](#)

Compare 0/10 


Relation Type 

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS 



Connectors - Multiple Config PCB Headers & Receptacles

AMPMODU | AMPMODU System 50

**50 SYS50 S/M HDR DRST
SHRDSN - 5-104549-7**

TE INTERNAL NUMBER: 5-104549-7

 Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **50**

Header Type **Shrouded**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles

AMPMODU | AMPMODU System 50

**50 SYS50 SURFMNT
DRST RCPT - 104550-6**

TE INTERNAL NUMBER: 104550-6

✓ Active

Not EU RoHS or ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Packaging Method **Tube,
Tube/Box**

Contact Mating Area Plating
Material **Gold**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles

AMP-LATCH | AMPMODU

**50 RCPT SYSTEM 50,
LEAD FREE - 2-111196-1**

TE INTERNAL NUMBER: 2-111196-1

ALIAS ID: AMP-2-0111196-1, CV3177-000

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **50**

Number of Rows **2**

Contact Mating Area Plating
Material **Gold**

Contact Mating Area Plating
Thickness **.762 µm**

