



# MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

## TE CONNECTIVITY (TE) 30 SYS50 SMT HDR DR SHD SN AMPMODU | AMPMODU System 50

5-147377-3  
TE Internal Number: 5-147377-3

Always EU RoHS/ELV Compliant  
Applies To **Printed Circuit Board**

Connector Style **Plug**  
Centerline **1.27 mm [ .05 in ]**

Number of Positions **30**  
Header Type **Shrouded**

### 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

### Catalog Pages/Data Sheets

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION3AND4](#)  
PDF  
English  
  
[Fine Pitch Stacking Connectors - 1.27mm AMPMODU System 50 Connectors](#)  
PDF  
English  
  
[2-1773454-6\\_Stacking\\_Connectors](#)  
PDF  
English

### Product Environmental Compliance

TE Material Declaration  
[MD\\_5-147377-3\\_07242015640\\_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.

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Product Type Features	Applies To	<b>Printed Circuit Board</b>
	Connector Style	<b>Plug</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Connector Type	<b>Header</b>
	Row-to-Row Spacing (in)	<b>.1</b>
	Stabilizers	<b>Without</b>
	Strain Relief	<b>Without</b>
	Board Standoff	<b>With</b>
	Product Type	<b>Connector</b>
	Gasket	<b>Without</b>

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Configuration Features	Number of Positions	<b>30</b>
	Number of Rows	<b>2</b>
	Keyed	<b>Yes</b>
	Selectively Loaded	<b>No</b>

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Electrical Characteristics	Voltage (VAC)	<b>30</b>
	Dielectric Withstanding Voltage	<b>500 V</b>

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Body Features	Header Type	<b>Shrouded</b>
	Post Size (in)	<b>.022</b>

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Contact Features	Contact Protection	<b>With</b>
	Contact Shape	<b>Round</b>
	Contact Type	<b>Pin</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Protection Type	<b>Shrouded</b>
	Contact Current Rating (A)	<b>1</b>

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Termination Features	Termination Post Length (in)	<b>.031</b>
	Termination End Plating Thickness (µin)	<b>150</b>

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Termination End Plating Material

**Tin-Lead**

Termination Method to PC Board

**Surface Mount**

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** - 6 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 &

Always EMI RoHS/ELV Compliant





Connectors - Multiple Config PCB Headers & Receptacles

AMPMODU | AMPMODU System 50

## 30 SYS50 S/M HDR DRST SHRDSN - 5-104549-5

TE INTERNAL NUMBER: 5-104549-5

✓ Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **30**

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

## 30 SYS50 SURFMNT DRST RCPT LF - 5-104550-4

TE INTERNAL NUMBER: 5-104550-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **30**

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 - FFC Connectors

FFC | FFC

## 030 HOUSING FFC 50CL DR - 3-487938-0

TE INTERNAL NUMBER: 3-487938-0

✓ Active

Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **30**

Number of Rows **2**

