



# MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

## 10 50/50 HDR DRST SFMNT .390

AMPMODU | AMPMODU 50/50 Grid

104693-1

TE Internal Number: 104693-1

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **10**

Header Type **Shrouded**

### Product Drawings

[HEADER ASSEMBLY, SURFACE MOUNT, AMPMODU 50/50 GRID \(9.90 \[.390\] MATED HEIGHT\)](#)

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 Specifications

Application Specification

[AMPMODU 50/50 Grid Connectors For SMT PC Board And IDC Ribbon Cable Applications](#)

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	<b>Header</b>
Row-to-Row Spacing	<b>1.27 mm [ .05 in ]</b>
Stabilizers	<b>Without</b>
Strain Relief	<b>Without</b>
Board Standoff	<b>Without</b>
Profile	<b>Standard</b>
Product Type	<b>Connector</b>
Gasket	<b>Without</b>

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Configuration Features	Number of Positions	<b>10</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>300 VAC</b>

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Body Features	Header Type	<b>Shrouded</b>
	Post Size (in)	<b>.015</b>
	Hold-Down Post Plating Material	<b>Tin-Lead over Nickel</b>
	Hold-Down Post Plating Thickness	<b>Tin-Lead: 150- Nickel: 50</b>
	Hold-Down Post Material	<b>Copper Alloy</b>

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Contact Features	Contact Protection	<b>With</b>
	Contact Shape	<b>Round</b>
	Underplate Material	<b>Nickel</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 Thickness (µin)	<b>150</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Protection Type	<b>Shrouded</b>
	Contact Current Rating (A)	<b>4</b>

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Termination Features	Termination End Plating Thickness (µin)	<b>150</b>
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Termination End Plating Material

**In-Lead**

Termination Method to PC Board

**Surface Mount**

Mechanical Attachment

PCB Mounting Style

**Surface Mount**

PCB Mount Retention Type

**Hold-Down Post(s)**

PCB Mount Retention

**With**

Panel Mount Retention

**Without**

Mating Alignment

**With**

Mating Connector Lock

**Without**

Mating Alignment Type

**Keyed**

Housing Features

Centerline

**1.27 mm [ .05 in ]**

Housing Color

**Black**

Housing Material

**Thermoplastic**

Housing Style

**2-Sided**

Dimensions

Shrouded End Dimension (in)

**.036**

Stack Height

**9.91 mm [ .39 in ]**

Mating Post Length

**3.048 mm [ .12 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

**56**

Packaging Method

**Tube**

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 7 Results

[View All](#)

Compare 0/10



Relation Type

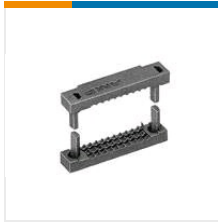


RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - PCB Connector Covers  
AMPMODU | AMPMODU 50/50 Grid

### 10 50/50 GRID CABLE RCPT COVER - 104891-1

TE INTERNAL NUMBER: 104891-1

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **10**

Number of Rows **2**

Body Material **Polyester**

Row-to-Row Spacing **1.27 mm**



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles  
AMPMODU | AMPMODU 50/50 Grid

### 10 50/50 GRID CABLE RECPT LF - 5-104893-1

TE INTERNAL NUMBER: 5-104893-1

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **10**

Number of Rows **2**

Contact Mating Area Plating  
Material **Gold**

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



RELATIONSHIP

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RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



Connectors - Board-to-Board Headers &  
Receptacles

AMPMODU | AMPMODU 50/50 Grid

# 10 50/50 GRID SMT RCPT VC LF - 5-147384-1

TE INTERNAL NUMBER: 5-147384-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **10**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

Material **Gold**