



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

50 50/50 GRID RA HDR W/LTCH LF

AMPMODU | AMPMODU 50/50 Grid

5-104895-5

TE Internal Number: 5-104895-5

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

[ASSEMBLY, HEADER, RIGHT ANGLE, DOUBLE ROW, AMPMODU 50/50 GRID CONNECTOR](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[3D PDF](#)

PDF
English

Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF
English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#)

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[Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors](#)

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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	Right Angle
	Connector Type	Header
	Row-to-Row Spacing	1.27 mm [.05 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	300 VAC

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

Contact Features	Contact Protection	With
	Contact Shape	Square
	Underplate Material	Nickel
	Contact Type	Pin
	Contact Base Material	Brass
	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)	.5
Termination Features	Termination End Plating Thickness (µin)	150
	Termination End Plating Material	Tin-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
	Mating Connector Lock Type	Latch
	Panel Mount Retention	Without
	Mating Alignment	With
	Mating Connector Lock	With
	Mating Alignment Type	Latch
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Color	Black
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Style	4-Sided
Dimensions	Shrouded End Dimension (in)	.036
	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	12
	Packaging Method	Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)


Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


PRODUCT - MATING PRODUCTS		
	<p>Connectors - Board-to-Board Headers & Receptacles AMPMODU I AMPMODU 50/50 Grid 50 50/50 GRID SMT RCPT VC LF - 5-147384-5 TE INTERNAL NUMBER: 5-147384-5</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 Tape & Reel</p> <p>Contact Mating Area Plating Material Gold</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - PCB Connector Covers AMPMODU I AMPMODU 50/50 Grid 50 50/50 GRID CABLE RCPT COVER - 104891-5 TE INTERNAL NUMBER: 104891-5</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 50</p> <p>Number of Rows 2</p> <p>Body Material Polyester</p> <p>Row-to-Row Spacing 1.27 mm</p>


PRODUCT - MATING PRODUCTS		
	<p>Connectors - W-T-B Headers & Receptacles AMPMODU I AMPMODU 50/50 Grid 50 50/50 GRID CBLE RECP W/LTCH - 104892-5 TE INTERNAL NUMBER: 104892-5</p> <p>✓ Active</p>	<p>Not EU RoHS or ELV Compliant</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 50</p> <p>Number of Rows 2</p> <p>Contact Mating Area Plating Material Gold</p> <p>Contact Mating Area Plating Thickness .762 µm</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - W-T-B Headers & Receptacles AMPMODU I AMPMODU 50/50 Grid</p>	<p>Always EU RoHS/ELV Compliant</p>



AMPMODU I AMPMODU 50/50 Grid

50 50/50 GRID RCPT W/LTCH LF - 5-104892-5

TE INTERNAL NUMBER: 5-104892-5

✓ Active

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**

PRODUCT - MATING PRODUCTS



Connectors - PCB Connector Covers

AMPMODU I AMPMODU 50/50 Grid

50 50/50 GRID CABLE RCPT COVER - 104891-5

TE INTERNAL NUMBER: 104891-5

✓ Active

[Always EU RoHS/ELV Compliant](#)

Centerline **1.27 mm**

Number of Positions **50**

Number of Rows **2**

Body Material **Polyester**

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

