



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

50 50/50 HDR DRST SFMNT TIN

AMPMODU | AMPMODU 50/50 Grid

5-104655-6

TE Internal Number: 5-104655-6

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, SURFACE MOUNT, AMPMODU 50/50 GRID \(6.35\[.250\] MATED HEIGHT\)](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
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[Customer View Model](#)

3D_STP.ZIP
English

[3D PDF](#)

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Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

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[AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#)

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

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

Configuration Features	Number of Positions	50
	Number of Rows	2
	Keyed	Yes
	Selectively Loaded	No



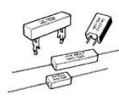

Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	300 VAC

Body Features	Header Type	Shrouded
	Hold-Down Post Plating Material	Tin over Nickel
	Hold-Down Post Plating Thickness	Tin: 150- Nickel: 50
	Post Size (mm)	.46
	Hold-Down Post Material	Copper Alloy

Contact Features	Contact Protection	With
	Contact Shape	Round
	Underplate Material	Nickel
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Solder Tail Contact Plating Thickness (µin)	150
	Solder Tail Contact Plating Material	Tin

	Contact Mating Area Plating Material	Gold
	Contact Protection Type	Shrouded
	Contact Current Rating (A)	4
Termination Features	Termination End Plating Thickness (µin)	150
	Termination End Plating Material	Tin
	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	6.35 mm [.25 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	15
	Packaging Method	Tube, Tube/Box
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

SURFACE MOUNT RESISTORS	SURFACE MOUNT RESISTORS	THROUGH-HOLE RESISTORS	SMA CONNECTORS
			
CRG0805 1% 1K2 CRG0805F1K2	CRG0805 1% 470R CRG0805F470R	SQM7 1R0 5% (WIRE) SQMW71R0J	2062 0000 00, SMA PCB VERT JACK 1053354-1
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Mating Products

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	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - W-T-B Headers & Receptacles AMPMODU I AMPMODU 50/50 Grid</p> <p>50 50/50 GRID CABLE RECPT - 104893-5</p> <p>TE INTERNAL NUMBER: 104893-5</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>	
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	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - PCB Connector Covers AMPMODU I AMPMODU 50/50 Grid</p> <p>50 50/50 GRID CABLE RCPT COVER - 104891-5</p> <p>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>	
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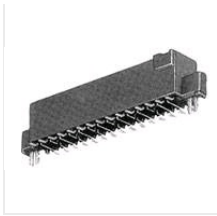
RELATIONSHIP

Mating Products

Used to identify Mating Parts

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	<p>PRODUCT - MATING PRODUCTS</p>	
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Connectors - Board-to-Board Headers & Receptacles

AMPMODU | AMPMODU 50/50 Grid

50 50/50 GRID DR SMT RCPT VC - 147384-5

TE INTERNAL NUMBER: 147384-5

✓ Active

Not EU RoHS or ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

Material **Gold**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - PCB Connector Covers

AMPMODU | 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**



PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles

AMPMODU | AMPMODU 50/50 Grid

50 50/50 GRID CABLE RECPT LF - 5-104893-5

TE INTERNAL NUMBER: 5-104893-5

✓ 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**

