



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

10 50/50 GRID RA HDR LF

AMPMODU | AMPMODU 50/50 Grid

5-104894-1

TE Internal Number: 5-104894-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **10**

Header Type **Shrouded**

Product Drawings

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

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
English

Catalog Pages/Data Sheets

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#)

PDF
English

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

PDF
English

Product Specifications

Application Specification

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

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_5-104894-1_0305201498_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	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	10
	Number of Rows	2
	Keyed	Yes
	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

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
	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	1-Sided

Dimensions	Shrouded End Dimension (in)	.036
	Mating Post Length	3.048 mm [.12 in]

Usage Conditions	Operating Temperature Range (°C)	-65 – 105
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Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476

Packaging Features	Packaging Quantity	56
	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



Connectors - Board-to-Board Headers & Receptacles

AMPMODU | AMPMODU 50/50 Grid

10 50/50 GRID RCPT
W/O HD SN - 5-147413-1

TE INTERNAL NUMBER: 5-147413-1

✓ 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**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles

AMPMODU | AMPMODU 50/50 Grid

10 50/50 GRID CABLE
RECPT - 104893-1

TE INTERNAL NUMBER: 104893-1

✓ Active

Not EU RoHS or 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**



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**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - PCB Connector Covers

Always EU RoHS/ELV Compliant





Connectors - W-T-B Headers & Receptacles
AMPMODU I 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 I 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**

