



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

10 50/50 HDR DRST SMT.250 SN

AMPMODU | AMPMODU 50/50 Grid

5-147121-1

TE Internal Number: 5-147121-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **10**

PCB Mounting Orientation **Vertical**

Product Drawings

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

PDF (**TIFF AVAILABLE**)
English

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

PDF (**TIFF AVAILABLE**)
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

[Ribbon Cable Interconnect Solutions](#)

PDF
English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#)

PDF
English

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

PDF
English

Product Environmental Compliance

TE Material Declaration

[10 50/50 HDR DRST SMT.250 SN](#)

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	10
	Number of Rows	2
	Keyed	No
Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	300 V
Body Features	Cover Material	Aluminum
	Vacuum Cover	With
Contact Features	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-Lead
	Contact Mating Area Plating Material	Gold
	Contact Current Rating (A)	1

Termination Features	Termination Post Length (in)	.03
	Termination End Plating Thickness (µin)	100 – 200
	Termination End Plating Material	Tin-Lead
	Termination Method to PC Board	Through Hole
Mechanical Attachment	PCB Mounting Style	Surface Mount
	PCB Mount Retention	Without
	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	LCP (Liquid Crystal Polymer)
Dimensions	Shrouded End Dimension (in)	.036
	Stack Height	6.35 mm [.25 in]
	Mating Post Length (mm)	3.05
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 Method	Tape & Reel
	Packaging Reel Diameter (mm)	24
Other	Comment	Other sizes are available.
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 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**



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 - Board-to-Board Headers & Receptacles

AMPMODU | AMPMODU 50/50 Grid

**10 50/50 GRID RCPT VC
W/O HD - 147413-1**

TE INTERNAL NUMBER: 147413-1

☑ Preliminary

Not EU RoHS or ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **10**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

Material **Gold**

