



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

20 50/50 GRID SMT RCPT VC LF

AMPMODU | AMPMODU 50/50 Grid

5-147384-2

TE Internal Number: 5-147384-2

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **20**

Packaging Method **Tape & Reel**

Contact Mating Area Plating Material **Gold**

Product Drawings

[ASSEMBLY, RECEPTACLE, VERTICAL, DOUBLE ROW, SURFACE MOUNT, AMPMODU 50/50 GRID CONNECTOR](#)

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CAD Files

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[Customer View Model](#)

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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

Product Specification

[AMPMODU* 50/50 Grid Connector System](#)

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Product Type Features	Connector Style	Receptacle
	PCB Mounting Orientation	Vertical
	Row-to-Row Spacing	1.37 mm [.05 in]
	Applies To	Printed Circuit Board
	Product Type	Connector
	Boss	Without
	Series	AMPMODU
	Connector Type	Connector Assembly

Configuration Features	Number of Positions	20
	Cover	With
	Number of Rows	2
	Stackable	No

Electrical Characteristics	Voltage (VAC)	30
	Insulation Resistance (M Ω)	5000
	Dielectric Withstanding Voltage (VAC)	300

Body Features	Hold-Down Post Plating Material	Tin over Nickel
	Cover Material	Aluminum
	Cover Type	Vacuum Cover
	Hold-Down Post Plating Thickness	Tin: 150- Nickel: 50
	Hold-Down Post Material	Copper Alloy

Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness (μ in)	30
	Contact Current Rating (A)	4
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin
	Solder Tail Contact Plating Thickness (μ in)	150
	Underplate Material	Nickel
	Contact Base Material	Copper Alloy

Termination Features	Termination Method to PC Board	Surface Mount
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Mechanical Attachment	Mating Alignment	With
	Mating Alignment Type	Polarizing Tab
	PCB Mount Retention	With
	PCB Mount Retention Type	Hold-Down Posts
	Mating Connector Lock	Without
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Color	Black
Dimensions	Height	4.75 mm [.187 in]
Usage Conditions	Operating Temperature Range (°C)	-65 – 105
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	None
	For Use With	Mates with Headers
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
Packaging Features	Packaging Method	Tape & Reel
	Packaging Reel Diameter (in)	1.25
	Packaging Quantity	600
	Packaging Reel Diameter (mm)	32
Other	Comment	Other sizes are available.
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



BARRIER STRIPS

WIRE-TO-BOARD HEADERS & RECEPTACLES



THROUGH-HOLE RESISTORS



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RELATIONSHIP

Mating Products

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	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Multiple Config PCB Headers & Receptacles AMPMODU AMPMODU 50/50 Grid</p> <p>20 50/50 HDR DRST SFMNT.390 SN - 5-104693-2 TE INTERNAL NUMBER: 5-104693-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Applies To Printed Circuit Board</p> <p>Connector Style Plug</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 20</p> <p>Header Type Shrouded</p>	<input checked="" type="checkbox"/>
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RELATIONSHIP

Mating Products

Used to identify Mating Parts

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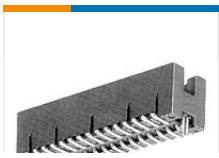
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Multiple Config PCB Headers & Receptacles AMPMODU AMPMODU 50/50 Grid</p> <p>20 50/50 HDR DRST SFMNT .320 - 104656-2 TE INTERNAL NUMBER: 104656-2</p> <p>✓ Active</p>	<p>5 of 6 EU RoHS/ELV Compliant</p> <p>Applies To Printed Circuit Board</p> <p>Connector Style Plug</p> <p>Centerline 1.27 mm</p> <p>Number of Positions 20</p> <p>Header Type Shrouded</p>	<input checked="" type="checkbox"/>
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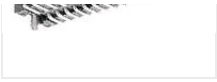
RELATIONSHIP

Mating Products

Used to identify Mating Parts

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	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Multiple Config PCB Headers & Receptacles AMPMODU AMPMODU 50/50 Grid</p> <p>20 50/50 HDR SMT.250</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Applies To Printed Circuit Board</p> <p>Connector Style Plug</p>	<input checked="" type="checkbox"/>
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W/HD SN - 5-147381-2

TE INTERNAL NUMBER: 5-147381-2

✓ Active

Connector Style **1 way**

Centerline **1.27 mm**

Number of Positions **20**

Header Type **Shrouded**