



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

50 50/50 GRID DRST SFMNT RCPT

AMPMODU | AMPMODU 50/50 Grid

5-104652-5

TE Internal Number: 5-104652-5

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **50**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

Product Drawings

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

PDF
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 Specifications

Product Specification

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

PDF
English

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_5-104652-5_09272014047_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	Connector Style	Receptacle
	PCB Mounting Orientation	Vertical
	Row-to-Row Spacing	1.27 mm [.05 in]
	Applies To	Printed Circuit Board
	Product Type	Connector
	Boss	Without
	Series	AMPMODU
	Connector Type	Connector Assembly

Configuration Features	Number of Positions	50
	Number of Rows	2

Electrical Characteristics	Voltage (VAC)	30
	Insulation Resistance (MΩ)	5000

Body Features	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 Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.762 μm [30 μin]
	Contact Current Rating (A)	4
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin over Nickel
	Solder Tail Contact Plating Thickness (μin)	150
	Underplate Material	Nickel
	Contact Base Material	Copper Alloy

Termination Features	Termination Method to PC Board	Surface Mount
----------------------	--------------------------------	----------------------

Mechanical Attachment	Mating Alignment	With
-----------------------	------------------	-------------

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
<hr/>		
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	LCP
	Housing Color	Black
<hr/>		
Dimensions	Height	4.75 mm [.187 in]
<hr/>		
Usage Conditions	Operating Temperature Range (°C)	-65 – 105
<hr/>		
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	Board Standoff
	For Use With	Receptacle Assembly
<hr/>		
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
<hr/>		
Packaging Features	Packaging Method	Tube, Tube/Box
	Packaging Quantity	19
<hr/>		
Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>50 50/50 HDR DRST SFMNT.390 SN 5-104693-5</p> <p>Save to List</p>	<p>SURFACE MOUNT RESISTORS</p>  <p>CPF 0603 1K18 0.1% 25PPM 1K RL CPF0603B1K18E1</p> <p>Save to List</p> <p>Find Similar Products</p>	<p>BOARD-TO-BOARD HEADERS & RECEPTACLES</p>  <p>50 50/50 GRID DRST SFMNT RCPT 104652-5</p> <p>Save to List</p>	 <p>RP 1J 0.166W 1K18 0.1% 25PPM 1K RL RP73PF1J1K18BTDF</p> <p>Save to List</p> <p>Find Similar Products</p>
---	---	--	---

Products - 13 Results

View All

Compare 0/10

Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - Multiple Config PCB Headers & Receptacles
AMPMODU | AMPMODU 50/50 Grid
50 50/50 GRID RA HDR - 104894-5
TE INTERNAL NUMBER: 104894-5

Active

Not EU RoHS or ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **50**

Header Type **Shrouded**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - Multiple Config PCB Headers & Receptacles
AMPMODU | AMPMODU 50/50 Grid
50 50/50 GRID RA HDR W/LTCH - 104895-5
TE INTERNAL NUMBER: 104895-5

Active

5 of 6 EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **50**

Header Type **Shrouded**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - Multiple Config PCB Headers & Receptacles
AMPMODU | AMPMODU 50/50 Grid
50 50/50 HDR SMT.250 W/HD SN - 5-147381-5
TE INTERNAL NUMBER: 5-147381-5

Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **50**

Header Type **Shrouded**

