



BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

20 SYS50 SURFMNT DRST RCPT SN

AMPMODU | AMPMODU System 50

5-104550-2

TE Internal Number: 5-104550-2

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **20**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

Product Drawings

RECEPTACLE ASSEMBLY, VERTICAL, DOUBLE ROW, SURFACE MOUNT, AMPMODU System 50

PDF
English

CAD Files

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Customer View Model

2D_DXF.ZIP
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3D PDF

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Catalog Pages/Data Sheets

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

PDF
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Fine Pitch Stacking Connectors - 1.27mm AMPMODU System 50 Connectors

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AMPMODU SYSTEM 50

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AMPMODU SYSTEM 50 QUICK REFERENCE GUIDE

PDF
English

Product Specifications

Application Specification

AMPMODU System 50 SMT (Surface Mount Technology) Receptacles And Headers

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 (in)	.1
	Applies To	Printed Circuit Board
	Product Type	Connector
	Boss	Without
	Series	AMPMODU
	Connector Type	Connector Assembly

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

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

Body Features	Hold-Down Post Plating Material	Tin
	Hold-Down Post Material	Copper Alloy

Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.762 μm [30 μin]
	Contact Type	Socket
	Solder Tail Contact Plating Material	Tin over Nickel
	Solder Tail Contact Plating Thickness (μin)	150
	Contact Base Material	Phosphor Bronze

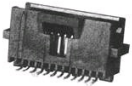



Termination Features	Termination Method to PC Board	Surface Mount
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Mechanical Attachment	PCB Mount Retention	With
	PCB Mount Retention Type	Hold-Down Posts

Housing Features	Centerline	1.27 mm [.05 in]
	Housing Material	Thermoplastic

	Housing Color	Black
Dimensions	Height	9.398 mm [.37 in]
	PCB Thickness (Recommended) (mm)	1.57
Usage Conditions	Operating Temperature Range (°C)	-65 – 105
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	Board Standoff
	For Use With	Plug Assembly
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
Packaging Features	Packaging Method	Tube, Tube/Box
	Packaging Quantity	26
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>20 SYS50 S/M HDR DRST SHRDSN 5-104549-2</p> <p>Save to List Find Similar Products</p>	<p>HOOK UP WIRE</p>  <p>44A0111-20-6 44A0111-20-6-MX</p> <p>Save to List Find Similar Products</p>	<p>PCB D-SUB CONNECTORS</p>  <p>25 RCPT RA/MS STD (SL) 5745536-2</p> <p>Save to List Find Similar Products</p>	<p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>10 sys 50 hdr drra shrd sn 5-104069-4</p> <p>Save to List Find Similar Products</p>
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RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Multiple Config PCB Headers & Receptacles

AMPMODU | AMPMODU System 50

20 SYS50 S/M HDR DRST SHRDSN - 5-104549-2

TE INTERNAL NUMBER: 5-104549-2

✓ Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **20**

Header Type **Shrouded**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles

AMPMODU | AMPMODU System 50

20 SYS50 SMT RCP DR SHD SN - 5-147378-2

TE INTERNAL NUMBER: 5-147378-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **20**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

Material **Gold**

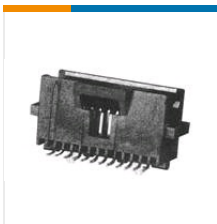


RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Multiple Config PCB Headers & Receptacles

AMPMODU | AMPMODU System 50

20 SYS50 SMT HDR DR SHD SN - 5-147377-2

TE INTERNAL NUMBER: 5-147377-2

✓ Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **20**

Header Type **Shrouded**

