



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

80 SYS50 S/M HDR DRST SHRDSN

AMPMODU | AMPMODU System 50

5-104549-9

TE Internal Number: 5-104549-9

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **80**

Header Type **Shrouded**

Product Drawings

[HEADER ASSEMBLY, W/SIDE & END LATCHES, VERTICAL, SHROUDED, DOUBLE ROW,SURFACE MOUNT, AMPMODU System 50, W/HOLDDOWNS](#)

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CAD Files

[3D PDF](#)

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3D

[Customer View Model](#)

2D_DXF.ZIP
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[Customer View Model](#)

3D_IGS.ZIP
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[Customer View Model](#)

3D_STP.ZIP
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Catalog Pages/Data Sheets

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

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

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Product Specifications

Product Specification

[Interconnection System, AMPMODU System 50](#)

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Application Specification

[AMPMODU System 50 SMT \(Surface Mount Technology\) Receptacles And Headers](#)

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Product Environmental Compliance

TE Material Declaration

[MD 5-104549-9-07212015431_dntec](#)

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	2.54 mm [.1 in]
	Stabilizers	Without
	Strain Relief	Without
	Board Standoff	With
	Profile	Standard
	Product Type	Connector
Gasket	Without	
Configuration Features	Number of Positions	80
	Number of Rows	2
	Keyed	No
	Selectively Loaded	No
Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	500 VAC
Body Features	Header Type	Shrouded
	Post Size	.381 mm [.015 in]
	Hold-Down Post Plating Material	Tin
	Hold-Down Post Material	Copper Alloy
Contact Features	Contact Protection	With
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Solder Tail Contact Plating Material Finish	Matte
	Solder Tail Contact Plating Material	Tin over Nickel

	Contact Mating Area Plating Material	Gold
	Contact Protection Type	Shrouded
	Contact Current Rating (A)	1
Termination Features	Termination Post Length	2.54 mm [.1 in]
	Termination End Plating Thickness (µin)	150 – 250
	Termination End Plating Material	Matte Tin-Lead
	Termination Method to PC Board	Through Hole
Mechanical Attachment	PCB Mounting Style	Surface Mount
	PCB Mount Retention Type	Hold-Down Post(s)
	PCB Mount Retention	With
	Mating Connector Lock Type	Detent Latching
	Panel Mount Retention	Without
	Mating Alignment	With
	Mating Connector Lock	With
	Mating Alignment Type	Polarization
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Color	Black
	Housing Material	Thermoplastic
	Housing Style	2-Sided
Dimensions	Shrouded End Dimension (in)	.05
	PCB Thickness (Recommended) (mm)	1.57
	Mating Post Length	3.175 mm [.125 in]
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 Quantity	9
	Packaging Method	Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles
AMP-LATCH | AMPMODU

**80 RCPT SYSTEM 50 30
DPLX - 3-111196-3**

TE INTERNAL NUMBER: 3-111196-3

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **80**

Number of Rows **2**

Contact Mating Area Plating
Material **Gold**

Contact Mating Area Plating
Thickness **.762 µm**



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

**80 SYS50 SMT HDR DR
SHD SN - 5-147377-7**

TE INTERNAL NUMBER: 5-147377-7

✓ Active

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm**

Number of Positions **80**

Header Type **Shrouded**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - FFC Connectors
FFC | FFC

**080 HOUSING FFC 50CL
DR LATCH - 8-487937-0**

TE INTERNAL NUMBER: 8-487937-0

✓ Active

Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **80**

Number of Rows **2**



