



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

50 SYS 50 HDR DRRA UNSHRD SN

AMPMODU | AMPMODU System 50

5-104118-1

TE Internal Number: 5-104118-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **50**

Header Type **Unshrouded**

Product Drawings

[HEADER ASSEMBLY, RIGHT ANGLE, UNSHROUDED, DOUBLE ROW,AMPMODU System 50](#)

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

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

PDF
English

Product Specifications

Application Specification

[AMPMODU System 50 Thru-Hole Connectors](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_5-104118-1_07242015623_dmtec](#)

PDF
English

Drawing for all design activity.

Product Type Features	Applies To	Printed Circuit Board
	Connector Style	Plug
	PCB Mounting Orientation	Right Angle
	Connector Type	Header
	Row-to-Row Spacing	2.54 mm [.1 in]
	Stabilizers	Without
	Strain Relief	Without
	Board Standoff	Without
	Profile	Standard
	Product Type	Connector
Gasket	Without	

Configuration Features	Number of Positions	50
	Number of Rows	2
	Keyed	No
	Selectively Loaded	No

Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	500 V

Body Features	Header Type	Unshrouded
	Post Size	.381 mm [.015 in]

Contact Features	Contact Protection	Without
	Contact Shape	Round
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (μ in)	30
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Mating Area Plating Material	Gold
	Contact Current Rating (A)	1

Termination Features	Termination Post Length	2.54 mm [.1 in]
	Termination End Plating Thickness (μ in)	150 – 250
	Termination End Plating Material	Matte Tin-Lead

Termination Method to PC Board

Through Hole

Mechanical Attachment

PCB Mounting Style

Through Hole

PCB Mount Retention

Without

Panel Mount Retention

Without

Mating Alignment

Without

Mating Connector Lock

Without

Housing Features

Centerline

1.27 mm [.05 in]

Housing Color

Black

Housing Material

Thermoplastic

Housing Style

1-Sided

Dimensions

PCB Thickness (Recommended)

1.397 mm [.055 in]

Mating Post Length

2.54 mm [.1 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

16

Packaging Method

Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 5 Results

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Relation Type 

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS





Connectors - FFC Connectors
FFC | FFC

050 HOUSING FFC 50CL DR LATCH - 5-487937-0

TE INTERNAL NUMBER: 5-487937-0

✓ Active

Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Number of Rows **2**



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

50 SYSTEM 50 RCPT ASSY DRST SN - 5-104078-5

TE INTERNAL NUMBER: 5-104078-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Packaging Method **Tube,**

Tube/Box

Contact Mating Area Plating

Material **Gold**



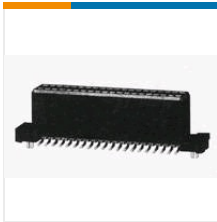
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers &
Receptacles

AMPMODU | AMPMODU System 50

50 SYS50 SURFMNT DRST RCPT SN - 5-104550-6

TE INTERNAL NUMBER: 5-104550-6

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **50**

Packaging Method **Tube,**

Tube/Box

Contact Mating Area Plating

Material **Gold**

