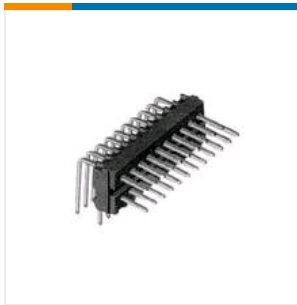




# MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

## 40 SYSTEM 50 HDR DRST UNSHRD

AMPMODU | AMPMODU System 50

1-103916-1

TE Internal Number: 1-103916-1

5 of 6 EU RoHS/ELV Compliant

[Find Compliant Alternatives](#)

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **40**

Header Type **Unshrouded**

### Product Drawings

[HEADER ASSEMBLY, VERTICAL, UNSHROUDED, 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

### Product Specifications

Application Specification

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

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_1-103916-1\\_07242015531\\_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.

Connector Style	<b>Plug</b>
PCB Mounting Orientation	<b>Vertical</b>
Connector Type	<b>Header</b>
Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
Stabilizers	<b>Without</b>
Strain Relief	<b>Without</b>
Board Standoff	<b>Without</b>
Profile	<b>Standard</b>
Product Type	<b>Connector</b>
Gasket	<b>Without</b>

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Configuration Features	Number of Positions	<b>40</b>
	Number of Rows	<b>2</b>
	Keyed	<b>No</b>
	Selectively Loaded	<b>No</b>

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Electrical Characteristics	Voltage (VAC)	<b>30</b>
	Dielectric Withstanding Voltage	<b>500 V</b>

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Body Features	Header Type	<b>Unshrouded</b>
	Post Size	<b>.381 mm [ .015 in ]</b>

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Contact Features	Contact Protection	<b>Without</b>
	Contact Shape	<b>Round</b>
	Contact Type	<b>Pin</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Current Rating (A)	<b>1</b>

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Termination Features	Termination Post Length	<b>2.54 mm [ .1 in ]</b>
	Termination End Plating Thickness (µin)	<b>150 – 250</b>
	Termination End Plating Material	<b>Matte Tin-Lead</b>
	Termination Method to PC Board	<b>Through Hole</b>

Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>Without</b>
	Panel Mount Retention	<b>Without</b>
	Mating Alignment	<b>Without</b>
	Mating Connector Lock	<b>Without</b>
Housing Features	Centerline	<b>1.27 mm [ .05 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
Dimensions	PCB Thickness (Recommended)	<b>1.397 mm [ .055 in ]</b>
	Mating Post Length	<b>2.54 mm [ .1 in ]</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-65 – 105</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>CSA LR7189, UL E28476</b>
Packaging Features	Packaging Quantity	<b>20</b>
	Packaging Method	<b>Tube, Tube/Box</b>
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 6 Results

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Relation Type 

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  
**40 SYS50 SURFMNT DRST RCPT SN**  
**- 5-104550-5**

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **40**

TE INTERNAL NUMBER: 5-104550-5

✓ Active

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

**40 SYSTEM 50 RCPT  
ASSY DRRA - 5-103911-5**

TE INTERNAL NUMBER: 5-103911-5

ALIAS ID: 2-42938-4376

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **40**

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 - FFC Connectors  
FFC | FFC

**040 HOUSING FFC 50CL  
DR - 4-487938-0**

TE INTERNAL NUMBER: 4-487938-0

✓ Active

Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **40**

Number of Rows **2**



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