



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



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English

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TE CONNECTIVITY (TE)

12 SYSTEM 50 HDR SRRA SHRD SN

AMPMODU | AMPMODU System 50

6-104074-1

TE Internal Number: 6-104074-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **12**

Header Type **Shrouded**

Product Drawings

[HEADER ASSEMBLY,RIGHT ANGLE SINGLE ROW, W/SIDE & END LATCHES
AMPMODU SYSTEM 50](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

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3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
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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_6-104074-1_07252015533_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	With
	Profile	Standard
	Product Type	Connector
Gasket	Without	

Configuration Features	Number of Positions	12
	Number of Rows	1
	Keyed	No
	Selectively Loaded	No

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

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

Contact Features	Contact Protection	With
	Contact Shape	Round
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	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	Through Hole
	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	PCB Thickness (Recommended)	1.397 mm [.055 in]
	Mating Post Length	2.54 mm [.1 in]

Usage Conditions	Operating Temperature Range (°C)	-65 – 105
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Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476

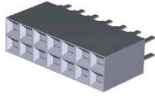
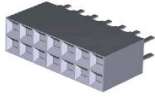


Packaging Features	Packaging Quantity	23
	Packaging Method	Tube, Tube/Box

Other	Comment	**Position identification feature omitted on 4, 5 and 6-position headers., Note 1: Hold-down posts located as shown for 10 through 30-position headers., Note 2: Hold-down posts located as shown for 4 through 8 and 30 through 50-position headers.
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Product Compliance [Statement of Compliance](#)
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RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - FFC Connectors
FFC | FFC

012 HOUSING FFC RCPT 050CL SR - 487545-9

TE INTERNAL NUMBER: 487545-9
ALIAS ID: 010-7174-00

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Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **12**

Number of Rows **1**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - FFC Connectors
FFC | FFC

012 HOUSING FFC RCPT 050CL SR - 487544-9

TE INTERNAL NUMBER: 487544-9

✓ Active

Always EU RoHS/ELV Compliant

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **12**

Number of Rows **1**

