



CONNECTORS

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

10 50/50 HDR SMT.320 W/HD SN

AMPMODU | AMPMODU 50/50 Grid

5-147382-1

TE Internal Number: 5-147382-1

Always EU RoHS/ELV Compliant

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **10**

Header Type **Shrouded**



Product Drawings

[HEADER ASSEMBLY,SURFACE MOUNT, AMPMODU 50/50 GRID \(8.12 \[.320\] MATED HEIGHT\)](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
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[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
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Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF
English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2

PDF
English

Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors

PDF
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5-1773700-6_AMPMODU_50_50_QRG

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Product Environmental Compliance

TE Material Declaration

[MD_5-147382-1_09122014239_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.

Product Type Features	Applies To	Printed Circuit Board
	Connector Style	Plug
	PCB Mounting Orientation	Vertical
	Connector Type	Header
	Row-to-Row Spacing	1.27 mm [.05 in]
	Stabilizers	Without
	Strain Relief	Without
	Board Standoff	Without
	Product Type	Connector
	Gasket	Without

Configuration Features	Number of Positions	10
	Number of Rows	2
	Keyed	No
	Selectively Loaded	Yes

Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	300 V

Body Features	Header Type	Shrouded
	Post Size (in)	.006
	Hold-Down Post Plating Material	Tin-Lead over Nickel
	Hold-Down Post Plating Thickness	Tin-Lead: 150- Nickel: 50
	Cover Material	Aluminum
	Vacuum Cover	With

	Hold-Down Post Material	Copper Alloy
Contact Features	Contact Protection	With
	Contact Shape	Round
	Underplate Material	Nickel
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Solder Tail Contact Plating Material	Tin-Lead
	Contact Mating Area Plating Material	Gold
	Contact Protection Type	Hold-Down
Contact Current Rating (A)	1	
Termination Features	Termination Post Length (in)	.03
	Termination End Plating Thickness (µin)	150
	Termination End Plating Material	Tin
	Termination Method to PC Board	Surface Mount
Mechanical Attachment	PCB Mounting Style	Surface Mount
	PCB Mount Retention Type	Hold-Down Post(s)
	PCB Mount Retention	With
	Panel Mount Retention	Without
	Mating Alignment	With
	Mating Connector Lock	Without
	Mating Alignment Type	Keyed
Housing Features	Centerline	1.27 mm [.05 in]
	Housing Color	Black
	Housing Material	LCP (Liquid Crystal Polymer)
Dimensions	Shrouded End Dimension (in)	.036
	Stack Height	8.13 mm [.32 in]
	Mating Post Length (in)	.12
Usage Conditions	Operating Temperature Range (°C)	-65 – 105

Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	CSA LR7189, UL E28476
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Packaging Features	Packaging Quantity	425
	Packaging Method	Tape & Reel
	Packaging Reel Diameter (mm)	24
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Other	Comment	Other sizes are available.

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

