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CONNECTORS

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✔ Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

20 SYS50 SURFMNT HDR DRST SHRD

AMPMODU | AMPMODU System 50

104549-2
TE Internal Number: 104549-2
Alias ID: 1228905

Not EU RoHS or ELV Compliant
Find Compliant Alternatives

Applies To **Printed Circuit Board**

Connector Style **Plug**

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

Number of Positions **20**

Header Type **Shrouded**

Product Drawings

HEADER ASSEMBLY, W/SIDE & END LATCHES, VERTICAL, SHROUDED, DOUBLE ROW,SURFACE MOUNT, AMPMODU System 50, W/HOLDDOWNS
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

Product Specification
Interconnection System, AMPMODU System 50
PDF
English

Application Specification
AMPMODU System 50 SMT (Surface Mount Technology) Receptacles And Headers
PDF
English

Product Environmental Compliance

TE Material Declaration
MD_104549-2_07242015555_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	**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	**20**
	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-Lead over Nickel**
	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-Lead**
	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	**27**
	Packaging Method	**Tube, Tube/Box**
Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

MULTIPLE CONFIGURATION | WIRE-TO-BOARD HEADERS & | MULTIPLE CONFIGURATION | MULTIPLE CONFIGURATION

PCB HEADERS & RECEPTACLES



20 SYSTEM 50 HDR DRST SHRD
104068-1

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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 I AMPMODU System 50
20 SYS50 SMT RCP DR SHD W/O HD - 147378-2
TE INTERNAL NUMBER: 147378-2

✔ Active

Not EU RoHS or ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **20**

Packaging Method **Tape & Reel**

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 I AMPMODU System 50
20 SYS50 SMT RCP DR SHD SN - 5-147378-2
TE INTERNAL NUMBER: 5-147378-2

✔ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **20**

Packaging Method **Tape & Reel**

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RELATIONSHIP
Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles

AMPMODU I AMPMODU System 50

20 SYS50 SURFMNT DRST RCPT - 104550-2

TE INTERNAL NUMBER: 104550-2

✔ Active

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Centerline **1.27 mm**

Number of Positions **20**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**