



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

## 50SYS 50 HDR DRST SHRD SN

AMPMODU | AMPMODU System 50

5-147380-1

TE Internal Number: 5-147380-1

EU RoHS Compliant

EU ELV Compliant

**Number of Positions** 50

**Centerline (Pitch)** 1.27 mm [.05 in]

**Connector & Contact Terminates To** Printed Circuit Board

**Connector Style** Plug

**Header Type** Shrouded

**PRODUCT DRAWING**  
English

**3D PDF**

## DOCUMENTATION

Product Drawings

### HEADER ASSEMBLY, VERTICAL, DOUBLE ROW, System 50, AMPMODU

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**

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Product Specifications

Application Specification

## **AMPMODU System 50 Thru-Hole Connectors**

PDF

**English**

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Agency Approvals

CSA Certificate

## **AMPMODU 50/50 GRID REPORT**

PDF

**English**

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## **FEATURES**



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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Product Type Features

**Connector & Contact Terminates To** Printed Circuit Board

**Connector Style** Plug

**Header Type** Shrouded

**PCB Mounting Orientation** Vertical

**Connector Type** Header

**Row-to-Row Spacing (in)** .1

**Gasket** Without

**Product Type** Connector

**Stabilizers** Without

**Board Standoff** Without

**Strain Relief** Without

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Configuration Features

**Selectively Loaded** Yes

**Number of Positions** 50

**Number of Rows** 2

**Keyed** No

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Electrical Characteristics

**Dielectric Withstanding Voltage** 500 V

**Voltage (VAC)** 30

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Body Features

**Post Size (in) .015**

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#### Contact Features

**Solder Tail Contact Plating Material** Tin-Lead  
**Contact Protection With**  
**Contact Shape** Round  
**Contact Base Material** Copper Alloy  
**Contact Mating Area Plating Thickness (µin)** 30  
**Contact Type** Pin  
**Contact Mating Area Plating Material** Gold  
**Contact Protection Type** Shrouded

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#### Termination Features

**Termination Method to PC Board** Surface Mount  
**Termination Post Length** 2.54 mm [.1 in]  
**Termination End Plating Thickness (µin)** 150  
**Termination End Plating Material** Tin

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#### Mechanical Attachment

**Panel Mount Retention** Without  
**Mating Connector Lock** With  
**PCB Mounting Style** Through Hole  
**Mating Alignment Type** Polarization  
**PCB Mount Retention** Without  
**Mating Alignment** With

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#### Housing Features

**Centerline (Pitch)** 1.27 mm [.05 in]  
**Housing Material** Thermoplastic  
**Housing Color** Black

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#### Dimensions

**PCB Thickness (Recommended)** 1.57 mm [.062 in]  
**Mating Post Length (in)** .1

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#### Usage Conditions

**Operating Temperature Range (°C)** -65 – 105

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#### Industry Standards

**Approved Standards** CSA LR7189, UL E28476  
**UL Flammability Rating** UL 94V-0

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#### Packaging Features

**Packaging Quantity** 250  
**Packaging Method** Tape & Reel

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## PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**

PDF

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