



+ CONNECTORS

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

Product Specifications

Application Specification

AMPMODU System 50 Thru-Hole Connectors

PDF

English

Agency Approvals

CSA Certificate

AMPMODU 50/50 GRID REPORT

PDF

English

FEATURES



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

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

Configuration Features

Selectively Loaded Yes

Number of Positions 50

Number of Rows 2

Keyed No

Electrical Characteristics

Dielectric Withstanding Voltage 500 V

Voltage (VAC) 30

Body Features

Post Size (in) .015

Contact Features

- Solder Tail Contact Plating MaterialTin-Lead
- Contact ProtectionWith
- Contact ShapeRound
- Contact Base MaterialCopper Alloy
- Contact Mating Area Plating Thickness (μin)30
- Contact TypePin
- Contact Mating Area Plating MaterialGold
- Contact Protection TypeShrouded

Termination Features

- Termination Method to PC BoardSurface Mount
- Termination Post Length2.54 mm [.1 in]
- Termination End Plating Thickness (μin)150
- Termination End Plating MaterialTin

Mechanical Attachment

- Panel Mount RetentionWithout
- Mating Connector LockWith
- PCB Mounting StyleThrough Hole
- Mating Alignment TypePolarization
- PCB Mount RetentionWithout
- Mating AlignmentWith

Housing Features

- Centerline (Pitch)1.27 mm [.05 in]
- Housing MaterialThermoplastic
- Housing ColorBlack

Dimensions

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

Usage Conditions

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

Industry Standards

- Approved StandardsCSA LR7189, UL E28476
- UL Flammability RatingUL 94V-0

Packaging Features

- Packaging Quantity250
- Packaging MethodTape & Reel

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF
