



CONNECTORS

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

100 50/50 HDR DRST SFMNT .250

AMPMODU | AMPMODU 50/50 Grid

1-104655-1

TE Internal Number: 1-104655-1

Not EU RoHS Compliant

Not EU ELV Compliant

Number of Positions 100

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, SURFACE MOUNT, AMPMODU 50/50 GRID (6.35[.250] MATED HEIGHT)

PDF

English

CAD Files

3D PDF

PDF

English

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 50/50 Grid Connectors For SMT PC Board And IDC Ribbon Cable Applications

PDF

English

Product Specification

AMPMODU* 50/50 Grid Connector System

PDF

English

Qualification Test Report

AMPMODU 50/50 Grid Connector System

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 1.27 mm [.05 in]

Gasket Without

Profile Standard

Product Type Connector

Stabilizers Without

Board Standoff Without

Strain Relief Without

Configuration Features

Selectively Loaded No

Number of Positions 100

Number of Rows 2

Keyed Yes

Electrical Characteristics

Dielectric Withstanding Voltage 300 VAC

Voltage (VAC) 30

Body Features

Hold-Down Post Plating Material Tin-Lead over Nickel

Hold-Down Post Plating Thickness Tin-Lead: 150- Nickel: 50

Hold-Down Post Material Copper Alloy

Post Size (mm) .46

Contact Features

Solder Tail Contact Plating Material Tin-Lead

Underplate Material Nickel

Contact Protection With

Contact Shape Round

Contact Current Rating (Max) (A) 4

Contact Base Material Phosphor Bronze

Contact Type Pin

Contact Mating Area Plating Thickness (µin) 30

Solder Tail Contact Plating Thickness (µin) 150

Contact Mating Area Plating Material Gold

Contact Protection Type Shrouded

Termination Features

Termination Method to PC Board Surface Mount

Termination End Plating Thickness (µin) 150

Termination End Plating Material Tin-Lead

Mechanical Attachment

Panel Mount Feature Without

Mating Connector Lock Without

PCB Mounting Style Surface Mount

Mating Alignment Type Keyed

PCB Mount Retention With

Mating Alignment With

PCB Mount Retention Type Hold-Down Post(s)

Housing Features

Centerline (Pitch) 1.27 mm [.05 in]

Housing Style 2-Sided

Housing Material Thermoplastic

Housing Color Black

Dimensions

Stack Height 6.35 mm [.25 in]

Shrouded End Dimension (in) .036

Mating Post Length 3.048 mm [.12 in]

Usage Conditions

Operating Temperature Range (°C) -65 – 105

Industry Standards

Approved Standards CSA LR7189, UL E28476

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Quantity 8

Packaging Method Box & Tube, Tube

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF
