



CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

12 MODIV VRT DR SFMNT 30AU

AMPMODU | AMPMODU

147105-6

TE Internal Number: 147105-6

Not EU RoHS Compliant

Not EU ELV Compliant

Connector Style Receptacle

Number of Positions 12

Centerline (Pitch) 2.54 mm [.1 in]

Packaging Method Reel

Contact Mating Area Plating Material Gold

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

DOCUMENTATION

Product Drawings

RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, SURFACE MOUNT, 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 Mod II And Mod IV Printed Circuit Board Connectors

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 Style Receptacle

Sealable No

Connector & Contact Terminates To Printed Circuit Board

Row-to-Row Spacing 2.54 mm [.1 in]

Series AMPMODU, MOD IV

PCB Mounting Orientation Vertical

Connector Type Connector Assembly

Profile Standard

Boss Without

Applied Pressure Standard

Product Type Connector

Configuration Features

Stackable Yes

Number of Positions 12

Number of Rows 2

Electrical Characteristics

Dielectric Withstanding Voltage (VAC) 750

Termination Resistance (MΩ) 12

Voltage (VAC) 250

Insulation Resistance (MΩ) 5000

Contact Features

Solder Tail Contact Plating Material Tin-Lead over Nickel
Contact Configuration Single Tine
Contact Mating Area Plating Material Gold
Contact Mating Area Plating Thickness (µin) 30
Contact Current Rating (Max) (A) 2
Solder Tail Contact Plating Thickness (µin) 150 – 300
Contact Base Material Phosphor Bronze
Contact Type Socket

Termination Features

Termination Method to PC Board Surface Mount
Termination Post Length 1.04 mm [.041 in]

Mechanical Attachment

PCB Mount Retention Without

Housing Features

Centerline (Pitch) 2.54 mm [.1 in]
Housing Entry Style Bottom or Top, Closed Entry
Housing Material Polyester - GF
Housing Color Black

Dimensions

Height 6.73 mm [.265 in]
PCB Thickness (Recommended) 1.4 – 2.4 mm [.055 – .094 in]

Usage Conditions

Operating Temperature Range (°C) -65 – 125
High Temperature Compatible Yes

Operation/Application

Assembly Process Feature Board Standoff
Pick and Place Cover Without
For Use With Mates with Headers

Industry Standards

MIL-C-55032 No
Approved Standards CSA LR7189, UL E28476
UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Reel
Packaging Quantity 250

Other

Comment Pick & place compatible with Kapton dot., To obtain the minimum mating post length, add 0.51 [.020] (not including the post lead in chamfer) to the maximum point-of-contact dimension.

Statement of Compliance

Statement of Compliance

PDF
