



CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

HDI PIN ASSY 2 ROW 40 POS

AMP-HDI | HDI

533903-3

TE Internal Number: 533903-3

Mil-Spec: M55302/173-24B

Not EU RoHS Compliant

Not Yet Reviewed for EU ELV

Connector Style Plug

Number of Positions 40

Centerline (Pitch) 2.54 mm [.1 in]

Packaging Method Tube

Contact Mating Area Plating Material Gold

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

DOCUMENTATION

Product Drawings

HDI, 2 ROW, PIN ASSEMBLY, 4.83 [.190] LONG SOLDER PINS, .00076 [.000050] GOLD PLATE

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

AMP-HDI Connectors

PDF

English

Product Specification

Connector, Interconnect, High Density

PDF

English

Qualification Test Report

AMP-HDI Connectors

PDF

Japanese

AMP-HDI Connectors

PDF

English

AMP-HDI Connectors

TIF

English

Instruction Sheets

Instruction Sheet (U.S.)

AMP-HDI High Density Interconnection Printed Circuit (PC) 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 Plug

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

PCB Mounting Orientation Vertical

Boss Without

Make First / Break Last No

Product Type Connector

Configuration Features

Stackable No
Number of Positions 40
Number of Rows 2
Center Guide Without

Contact Features

Solder Tail Contact Plating Material Tin-Lead
Contact Configuration Four-Beam
Underplate Material Nickel
Contact Mating Area Plating Material Gold
Contact Mating Area Plating Thickness (µin) 50
Contact Current Rating (Max) (A) 3
Contact Base Material Phosphor Bronze
Contact Type Pin

Termination Features

Termination Method to PC Board Through Hole
Termination Post Length 4.83 mm [.19 in]

Mechanical Attachment

Mating Alignment Without
Mating Alignment Type Keyed
PCB Mount Retention Without
PCB Mount Retention Type Retention Solder Tails

Housing Features

Centerline (Pitch) 2.54 mm [.1 in]
Housing Material Thermoplastic
Housing Color Natural

Dimensions

Mating Post Length (in) .21
Height 11.73 mm [.462 in]
Tail Length 4.83 mm [.19 in]
PCB Thickness (Recommended) (mm) 1.57 – 3.18

Usage Conditions

Operating Temperature Range (°C) -65 – 125
Housing Material Temperature Standard

Operation/Application

Assembly Process Feature Board Standoff
Pick and Place Cover Without

Packaging Features

Packaging Method Tube
Packaging Quantity 8



Statement of Compliance

Statement of Compliance

PDF
