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CONNECTORS

RIBBON CABLE CONNECTORS



✔ Active

TE CONNECTIVITY (TE)

A/L UNIV HDR 40P VERT BLUE

AMP-LATCH | Universal Headers

2-5102156-9
TE Internal Number: 2-5102156-9

EU RoHS Compliant
EU ELV Compliant

Connector System Wire-to-Board

Number of Positions 40

Centerline (Pitch) 2.54 mm [.1 in]

PCB Mount Retention Without

PCB Mounting Orientation Vertical

PRODUCT DRAWING
English

3D PDF

DOCUMENTATION

Product Drawings

HEADER ASSY, UNIVERSAL, AMP-LATCH
PDF
English

CAD Files

Customer View Model
2D_DXF.ZIP
English

Customer View Model
3D_IGS.ZIP
English

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Customer View Model

3D_STP.ZIP

English

3D PDF

PDF

English

Product Specifications

Product Specification

AMP-LATCH And IDC Header Connectors, .100 X .100 Inch Grid

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

Header Type Universal Ejection Pin Headers
Connector System Wire-to-Board
PCB Mounting Orientation Vertical
Shrouded Yes
Row-to-Row Spacing 2.54 mm [.1 in]
Connector Style Plug
Profile Standard
Connector & Contact Terminates To Printed Circuit Board
Connector Type Header
Board Standoff Without
Product Type Connector

Configuration Features

Number of Positions 40
Number of Rows 2
Ejection Latches Without

Electrical Characteristics

Operating Voltage (VAC) 250
Insulation Resistance (MΩ) 1000 – 5000

Body Features

Post Size .64 mm [.025 in]

Contact Features

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Solder Tail Contact Plating Material Tin over Nickel
Contact Current Rating (Max) (A) 1
Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold
Contact Type Pin
Contact Termination Area Plating Thickness 2.54 µm [100 µin]
Contact Base Material Phosphor Bronze
Contact Transmits (Typical) Signal (Data)
Contact Termination Area Plating Material Tin
Contact Mating Area Plating Thickness (µin) 30

Termination Features

Termination Method to PC Board Through Hole
Termination Post Length 3.94 mm [.155 in]

Mechanical Attachment

Panel Mount Retention Without
PCB Mount Alignment Without
PCB Mount Retention Without
Mating Alignment Type Center, Dual Polarizing Bar
Mating Connector Lock Without
Mating Connector Lock Type Ejection Latch
Mating Alignment With
Mating Retention With
Polarization With

Housing Features

Centerline (Pitch) 2.54 mm [.1 in]
Housing Entry Style Top
Housing Material Nylon - GF
Housing Color Blue
Housing Style 4-Sided

Dimensions

Shrouded End Dimension 3.81 mm [.15 in]
PCB Thickness (Recommended) 3.18 mm [.125 in]
Height 13.94 mm [.55 in]
Length 70.1 mm [2.76 in]

Usage Conditions

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

Operation/Application

For Use With AMP-Latch Receptacle

Industry Standards

UL Flammability Rating UL 94V-0

Packaging Features

Packaging Method Package
Packaging Quantity 50

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PRODUCT COMPLIANCE

Statement of Compliance

Statement of Compliance

PDF

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