

RIBBON CABLE CONNECTORS



✓ Active

TE CONNECTIVITY (TE)

**A/L UNIV HDR 20P VERT LG LAT B**

AMP-LATCH | Universal Headers

2-5102321-4

TE Internal Number: 2-5102321-4

EU RoHS Compliant

EU ELV Compliant

**Connector System** Wire-to-Board

**Number of Positions** 20

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**

3D\_STP.ZIP

English

**Customer View Model**

3D\_IGS.ZIP

English

## Customer View Model

2D\_DXF.ZIP

English

## 3D PDF

PDF

English

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Product Specifications

Product Specification

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

PDF

English

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Product Environmental Compliance

TE Material Declaration

## MD\_2-5102321-4\_012420172327\_dmtec

PDF

English

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## FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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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

**Latch Type** Long

**Product Type** Connector

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Configuration Features

**Number of Positions** 20

**Number of Rows** 2

**Ejection Latches** With

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Electrical Characteristics

**Operating Voltage (VAC)** 250

**Insulation Resistance (MΩ)** 5000

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Body Features

**Post Size** .64 mm [.025 in]

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#### Contact Features

**Solder Tail Contact Plating Material** Tin over Nickel

**Contact Shape** Square

**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  $\mu\text{m}$  [ 100  $\mu\text{in}$  ]

**Contact Base Material** Copper Alloy

**Contact Mating Area Plating Thickness** .76  $\mu\text{m}$  [ 30  $\mu\text{in}$  ]

**Contact Transmits (Typical)** Signal (Data)

**Contact Design** Square Post

**Contact Termination Area Plating Material** Tin

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#### Termination Features

**Termination Method to PC Board** Through Hole

**Termination Post Length** 3.94 mm [.155 in]

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#### Mechanical Attachment

**Panel Mount Retention** Without

**PCB Mount Alignment** Without

**PCB Mount Retention** Without

**Mating Alignment Type** Center, Dual Polarizing Bar

**Mating Connector Lock** With

**Mating Connector Lock Type** Latch

**Mating Alignment** With

**Mating Retention** With

**Polarization** With

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#### Housing Features

**Centerline (Pitch)** 2.54 mm [.1 in]

**Housing Material** Glass Filled Nylon/Polyester

**Housing Color** Blue

**Housing Style** 4-Sided

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#### Dimensions

**Shrouded End Dimension** 3.81 mm [.15 in]

**PCB Thickness (Recommended)** 3.18 mm [.125 in]

**Height** 13.94 mm [.548 in]

**Length** 44.7 mm [ 1.76 in ]

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#### Usage Conditions

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

**Temperature Rating** Standard

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#### Operation/Application

**For Use With** Mates with Receptacles

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#### Industry Standards

**UL Flammability Rating** UL 94V-0

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Packaging Features

Packaging Method Tray

Packaging Quantity 18

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## PRODUCT COMPLIANCE



Statement of Compliance

### **Statement of Compliance**

PDF

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