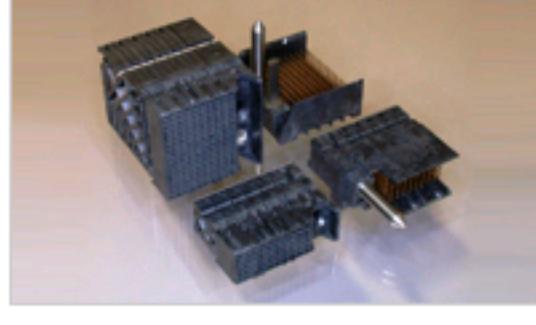


2057744-3 Product Details

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Impact High Density Backplane Connectors

IMP100,S,H,V2P16C,UG,46,5.5

2057744-3

TE Internal Number: 2057744-3

Active

[Product Highlights](#) [View All](#)

- Connector Style = Header
- 64/Signal, 32/Ground
- 96 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle, Vertical

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Please Note:
 Use the Product Drawing for all design activity

Product Type Features

PCB Mount Retention Type Action/Compliant Tail

PCB Mount Alignment Type None

Electrical Characteristics

Impedance (Ω) 100

Operating Voltage Reference AC/DC

Operating Voltage (VAC) 120

Operating Voltage (VDC) 120

Dimensions

Tail Length (mm [in]) 1.2 [0.047]

Length (X-Axis) (mm [in]) 30.30 [1.193]

Width (Z-Axis) (mm [in]) 12.70 [0.500]

Profile Height (Y-Axis) (mm [in]) 11.95 [0.470]

PCB Hole Diameter (mm [in]) 0.46 [0.018]

Body Features

Header Type Partially Shrouded

Contact Features

Contact Type Pin

Contact Length (mm [in]) 5.50 [0.217]

Contact Plating, Termination Area, Material Matte Tin

Contact Plating, Termination Area, Thickness (µm [µin]) 1.27 [50]

Contact Base Material Copper-Nickel-Silicon

Underplate Material Nickel

Underplate Material Thickness (µm [µin]) 1.27 [50.000]

Housing Features

Connector Style Header

End Wall Location Open

Housing Color Black

Housing Material LCP (Liquid Crystal Polymer)

Configuration Features

Connector Contact Configuration (No. of Pos./Type) 64/Signal, 32/Ground

Number of Positions 96

Number of Differential Pairs Per Column 2

Number of Columns 16

Number of Rows 6

Shrouded Yes - Partial

Guide Location Unguided

Tail Orientation In-line

Industry Standards

RoHS/ELV Compliance RoHS compliant, ELV compliant

Lead Free Solder Processes Not relevant for lead free process

RoHS/ELV Compliance History Always was RoHS compliant

UL Rating Recognized

UL File Number E28476

UL Flammability Rating UL 94V-0

CSA Certified Yes

Environmental

Operating Temperature (°C [°F]) -55 - +85 [-67 - +185]

Conditions for Usage

Board-to-Board Configuration Right Angle, Vertical

Operation/Application

Industry Application Networking (Communications)

Packaging Features

Packaging Method Tube/Box

Other

Brand TE Connectivity

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