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Part Number: [1713951807](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-171320-999-001 \(PDF\)](#)
[Application Specification AS-171320-990-001 \(PDF\)](#)
[Application Specification AS-171320-991-001 \(PDF\)](#)
[Application Specification AS-171320-992-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family Backplane Connectors
Series [171395](#)
Application Backplane
Application Tooling Documents TM-622018899
Component Type PCB Header
Overview [Impel and Impel Plus Backplane Solutions](#)
Product Name Impel
UPC 887191450803

Physical
Circuits (Loaded) 96
Circuits (maximum) 96
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Guide to Mating Part No
Keying to Mating Part None
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold
Material - Plating Termination Nickel, Tin
Material - Resin High Temperature Thermoplastic
Net Weight 6.449/g
Number of Columns 8
Number of Pairs 6
Number of Rows 12
Orientation Vertical
PC Tail Length 1.30mm
PCB Locator No
PCB Retention None
PCB Thickness - Recommended 1.00mm
Packaging Type Tray
Pitch - Mating Interface 1.90mm
Pitch - Termination Interface 1.90mm
Plating min - Mating 0.762µm
Temperature Range - Operating -55° to +85°C

Electrical
Current - Maximum per Contact 0.75A
Data Rate 40.0 Gbps
Impedance 92Ω
Shield Type Full Shield
Voltage - Maximum 150V AC (RMS)/DC



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/71/2019 (16 July 2019) Halogen-Free Status Low-Halogen For more information, please visit Contact US	China RoHS China ROHS Green Image ELV Not Relevant RoHS Phthalates Not Contained
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Search Parts in this Series
[171395 Series](#)

Mates With
Impel Right-Angle Daughtercard
[1714001038](#)

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171395-0001-001
Symbol/Footprint Data	SYM-171395-1807

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