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Part Number: [1721403808](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 4 Pair Right-Angle Header, 1.90mm Pitch, Right Guided, 8 Columns, 64 Circuits, Pin Length 5.50, Plated Through Hole Dimension 0.36

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

Agency Certification
UL E29179

General
Product Family Backplane Connectors
Series [172140](#)
Application Backplane
Component Type PCB Header
Overview [Impel™ and Impel™ Plus Backplane Solutions](#)
Product Name Impel™
UPC 887191898377

Physical
Circuits (Loaded) 64
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part Yes
Keying to Mating Part Yes
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold
Material - Plating Termination Nickel, Tin
Material - Resin High Temperature Thermoplastic
Net Weight 26.716/g
Number of Columns 8
Number of Pairs 4
Number of Rows 8
Orientation Right Angle
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°C 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)



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/21/2016 (20 June 2016) Halogen-Free Status Low-Halogen Need more information on product environmental compliance? Email productcompliance@molex.com Please visit the Contact Us section for any non-product compliance questions.	China RoHS China ROHS Green Image ELV Not Relevant RoHS Phthalates Not Contained
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Search Parts in this Series
[172140 Series](#)

Mates With
[171320-5038](#)

Solder Process Data

Lead-freeProcess CapabilityN/A

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-172140-0002
Symbol/Footprint Data	SYM-172140-3808

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