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Part Number: [1721301108](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 6 Pair Right-Angle Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 120 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm

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 [172130](#)
Application Backplane, Coplanar
Component Type PCB Header
Overview [Impel™ and Impel™ Plus Backplane Solutions](#)
Product Name Impel™
UPC 887191624464

Physical
Circuits (Loaded) 120
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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 94.909/g
Number of Columns 10
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°C to +85°C

Electrical
Current - Maximum per Contact 0.75A
Data Rate 40.0 Gbps
Impedance 92Ω
Shield Type Full Shield



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per
-ED/01/2017 (12
January 2017)
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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[172130 Series](#)

Mates With
Impel™ Right-Angle Daughtercard
[171400-1020](#)

Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global	Product #
Description	
Impel™ Daughter Card Press-In Tool	0622018919

Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-freeProcess Capability	N/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-172130-0001
Symbol/Footprint Data	SYM-172130-1108, SYM-172130-1208

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