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Part Number: [1713251605](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 4 Pair Vertical Backplane Header, 3.00mm Pitch, Unguided, Open Endwalls, 6 Columns, 48 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm

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 [171325](#)
Application Backplane
Component Type PCB Header
Overview [Impel™ and Impel™ Plus Backplane Solutions](#)
Product Name Impel™
UPC 884982971202

Physical
Circuits (Loaded) 48
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 3.960/g
Number of Columns 6
Number of Pairs 4
Number of Rows 8
Orientation Vertical
PC Tail Length 1.30mm
PCB Locator No
PCB Retention None
PCB Thickness - Recommended 1.00mm
Packaging Type Tray
Pitch - Mating Interface 3.00mm
Pitch - Termination Interface 3.00mm
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 **China 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 Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series
[171325](#) Series

Mates With
Impel™ Right-Angle Daughtercard
[171329-1036](#)

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 Description	Product #
Impel™ Press-In Tool	0621009640
Impel™ Insertion Tool	0622018930

Solder Process Data		Impel™ Backplane Header Removal Tool	
Lead-freeProcess Capability	N/A	Impel™ Insertion Tool	<u>0622018916</u> <u>0622018940</u>
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-171325-0001		
Symbol/Footprint Data	SYM-171325-1605		

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