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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

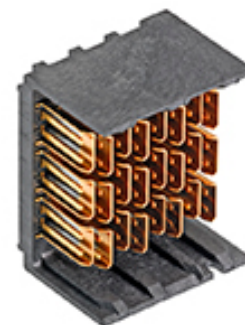
Product Family	Backplane Connectors
Series	171325
Application	Backplane
Component Type	PCB Header
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	884982971202

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

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

Lead-free Process 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-171325-0001

Symbol/Footprint Data

SYM-171325-1605

Impel™ Backplane Header Removal Tool	<u>0622018916</u>
Impel™ Insertion Tool	<u>0622018940</u>

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