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**Part Number:** [1713151808](#)  
**Status:** **Active**  
**Overview:** Impel™ and Impel™ Plus Backplane Solutions  
**Description:** Impel™ 92 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 64 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-171320-991-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-171320-992-001 (PDF)</a>
<a href="#">Product Specification PS-171320-999-001 (PDF)</a>	<a href="#">Packaging Specification PK-78888-084 (PDF)</a>
<a href="#">Application Specification AS-171320-990-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family	Backplane Connectors
Series	<a href="#">171315</a>
Application	Backplane
Application Tooling Documents	TM-622018899
Component Type	PCB Header
Overview	<a href="#">Impel™ and Impel™ Plus Backplane Solutions</a>
Product Name	Impel™
UPC	887191315225

**Physical**

Circuits (Loaded)	64
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 over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	4.590/g
Number of Columns	8
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	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**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[171315](#) Series

**Mates With**

Impel™ Right-Angle Daughtercard  
[171320-1038](#)

**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 Backplane Press-In Tool	<a href="#">0622018946</a>

Voltage - Maximum	150V AC (RMS)/DC
<b>Solder Process Data</b>	
Lead-free Process Capability	N/A
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Packaging Specification	PK-78888-084
Product Specification	PS-171320-999-001
Sales Drawing	SD-171315-0001
Symbol/Footprint Data	SYM-171315-1808

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