

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1713955608](#)  
**Status:** **Active**  
**Overview:** Impel™ and Impel™ Plus Backplane Solutions  
**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right-Guided, Open Endwalls, 16 Columns, 192 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="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-171320-990-001 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

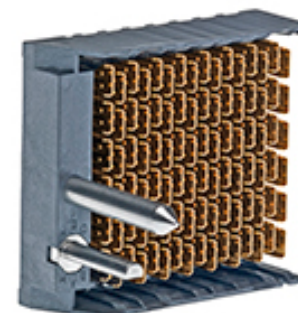
Product Family	Backplane Connectors
Series	<a href="#">171395</a>
Application	Backplane
Component Type	PCB Header
Overview	<a href="#">Impel™ and Impel™ Plus Backplane Solutions</a>
Product Name	Impel™
UPC	887191717609

**Physical**

Circuits (Loaded)	192
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	15.787/g
Number of Columns	16
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
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](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171395](#) Series

**Mates With**

Impel™ Right-Angle Daughtercard  
[171400-5026](#)

**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="#">0622018924</a>
Impel™ Insertion Tool	<a href="#">0622018930</a>

**Solder Process Data**

Lead-free Process Capability

N/A

Impel™ Insertion 0622018940  
Tool**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-171395-0004, SD-171755-0004

Symbol/Footprint Data

SYM-171395-5608

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