

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

**Part Number:** [1713953617](#)

**Status:** **Active**

**Overview:** [Impel™ and Impel™ Plus Backplane Solutions](#)

**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Left Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm, Keying Orientation A

**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**

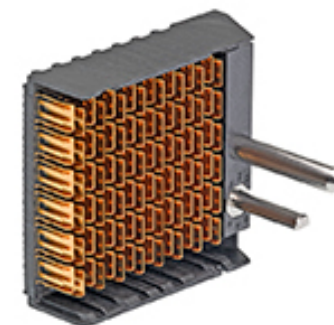
Product Family	Backplane Connectors
Series	<a href="#">171395</a>
Application	Backplane
Component Type	PCB Header
Overview	<a href="#">Impel™ and Impel™ Plus Backplane Solutions</a>
Product Name	Impel™
UPC	887191241814

**Physical**

Circuits (Loaded)	192
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	16.839/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, 3.00mm
Pitch - Termination Interface	1.90mm, 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/01/2017 (12  
January 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**

[171395 Series](#)

**Mates With**

[Impel™ Right-Angle Daughtercard 171400-3126](#)

**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-171395-0002, SD-171755-0002

Symbol/Footprint Data

SYM-171395-3617

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