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**Part Number:** [1713951808](#)  
**Status:** **Active**  
**Overview:** [Impel™ and Impel™ Plus Backplane Solutions](#)  
**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm

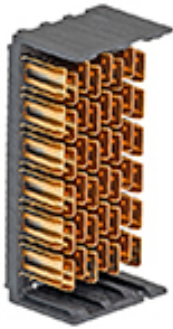
**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-171320-999-001 \(PDF\)](#)  
[Application Specification AS-171320-990-001 \(PDF\)](#)  
[Application Specification AS-171320-991-001 \(PDF\)](#)  
[Application Specification AS-171320-992-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**  
Product Family Backplane Connectors  
Series [171395](#)  
Application Backplane  
Component Type PCB Header  
Overview [Impel™ and Impel™ Plus Backplane Solutions](#)  
Product Name Impel™  
UPC 887191588162

**Physical**  
Circuits (Loaded) 96  
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 6.348/g  
Number of Columns 8  
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)

**Solder Process Data**  
Lead-freeProcess Capability N/A



Series image - Reference only

**EU ELV**  
**Not Relevant**

**EU RoHS** **China 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 171400-1038](#)

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Application Specification | AS-171320-990-001, AS-171320-991-001,<br>AS-171320-992-001 |
| Product Specification     | PS-171320-999-001                                          |
| Sales Drawing             | SD-171395-0001                                             |
| Symbol/Footprint Data     | SYM-171395-1808                                            |

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