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**Part Number:** [1713951807](#)  
**Status:** **Active**  
**Overview:** Impel™ Backplane Connector and Cable Assembly Systems  
**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

**Documents:**

[3D Model](#) [Application Specification AS-171320-992 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">171395</a>
Application	Backplane
Component Type	PCB Header
Overview	<a href="#">Impel™ Backplane Connector and Cable Assembly Systems</a>
Product Name	Impel™
UPC	887191450803

**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	6.449/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

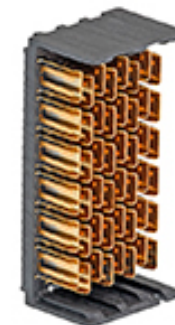
**Electrical**

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	92#
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)

**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info**



*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

Green Image  
Not Relevant

**Search Parts in this Series**

[171395](#) Series

**Mates With**

Impel™ Right-Angle Daughtercard  
[171400-1038](#)

**Reference - Drawing Numbers**

Application Specification

Sales Drawing

Symbol/Footprint Data

AS-171320-992

SD-171395-0001

SYM-171395-1807

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