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**Part Number:** [171395-1105](#)  
**Status:** **Active**  
**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 120 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family	Backplane Connectors
Series	<a href="#">171395</a>
Application	Backplane
Component Type	PCB Header
Product Name	Impel™
Style	N/A
UPC	887191068442

**Physical**

Circuits (Loaded)	120
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
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	8.100/g
Number of Columns	10
Number of Pairs	6
Number of Rows	18
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	-40°C to +105°C

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**



*image - Reference only*

*Series*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[171395Series](#)

**Mates With**

[171400 Impel™ Daughtercard Assembly](#)

**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™ Insertion Tool	<a href="#">0622018940</a>
Impel™ Insertion Tool	<a href="#">0622018930</a>
Impel™ Press-In Tool	<a href="#">0622018920</a>

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