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**Part Number:** [171315-1805](#)  
**Status:** **Active**  
**Description:** Impel™ 92 Ohm, 4 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:**

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

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [171315](#)  
 Application Backplane  
 Component Type PCB Header  
 Product Name Impel™  
 Style N/A  
 UPC 887191302577

**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 4.526/g  
 Number of Columns 8  
 Number of Pairs 4  
 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)

**Material Info**

**Reference - Drawing Numbers**

**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**

[171315Series](#)

**Mates With**

[171320](#) 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™ Backplane [0622018946](#)  
 Press-In Tool

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