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**Part Number:** [171395-1607](#)  
**Status:** **Active**  
**Description:** Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

**Documents:**

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

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [171395](#)  
 Application Backplane  
 Component Type PCB Header  
 Product Name Impel™  
 Style N/A  
 UPC 887191241760

**Physical**

Circuits (Loaded) 192  
 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 12.768/g  
 Number of Columns 16  
 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™ Backplane Press-In Tool | <a href="#">0622018924</a> |
| Impel™ Insertion Tool          | <a href="#">0622018940</a> |
| Impel™ Insertion Tool          | <a href="#">0622018930</a> |

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