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**Part Number:** [1713351807](#)  
**Status:** **Active**  
**Overview:** [Impel and Impel Plus Backplane Solutions](#)  
**Description:** Impel 92 Ohm, 3 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 48 Circuits, Pin Length 4.90mm, 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 \(PDF\)](#)  
[Packaging Specification PK-78888-082 \(PDF\)](#)  
[Packaging Specification PK-78888-317 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**  
UL E29179

**General**  
Product Family Backplane Connectors  
Series [171335](#)  
Application Backplane  
Application Tooling Documents TM-622018899  
Component Type PCB Header  
Overview [Impel and Impel Plus Backplane Solutions](#)  
Product Name Impel  
UPC 887191240282

**Physical**  
Circuits (Loaded) 48  
Circuits (maximum) 48  
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 3.512/g  
Number of Columns 8  
Number of Pairs 3  
Number of Rows 6  
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° to +85°C

**Electrical**  
Current - Maximum per Contact 0.75A  
Data Rate 40.0 Gbps



Series image - Reference only

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

**EU RoHS** **China RoHS**  
**Compliant**  
**REACH SVHC**  
Not Contained Per -  
ED/61/2018 (27 June 2018)  
**Halogen-Free**  
**Status**  
**Low-Halogen**  
For more information, please visit [Contact US](#)

China ROHS Green Image  
ELV Not Relevant  
RoHS Phthalates Not Contained

**Search Parts in this Series**  
[171335 Series](#)

**Mates With**  
Impel Right-Angle Daughtercard  
[171990-1038](#)

**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="#">0621009630</a> |

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| Impedance                          | 92Ω                                                     |
| Shield Type                        | Full Shield                                             |
| Voltage - Maximum                  | 150V AC (RMS)/DC                                        |
| <b>Solder Process Data</b>         |                                                         |
| Lead-freeProcess Capability        | N/A                                                     |
| <b>Material Info</b>               |                                                         |
| <b>Reference - Drawing Numbers</b> |                                                         |
| Application Specification          | AS-171320-990-001, AS-171320-991-001, AS-171320-992-001 |
| Packaging Specification            | PK-78888-082, PK-78888-317                              |
| Product Specification              | PS-171320-999-001                                       |
| Sales Drawing                      | SD-171335-0001-001                                      |
| Symbol/Footprint Data              | SYM-171335-1807                                         |

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