

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **1721401808**  
**Status:** **Active**  
**Overview:** Impel and Impel Plus Backplane Solutions  
**Description:** Impel 90 Ohm 4 Pair Right-Angle Header, 1.90mm Pitch, Unguided, 8 Columns, 64 Circuits, Pin Length 5.50, Plated Through Hole Dimension 0.36

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-78888-314-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1107-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1108-001 (PDF)</a>
<a href="#">Product Specification PS-171320-999-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1207-001 (PDF)</a>
<a href="#">Application Specification 1713209994-AS-000 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1208-001 (PDF)</a>
<a href="#">Application Specification AS-171320-990-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1807-001 (PDF)</a>
<a href="#">Application Specification AS-171320-991-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172140-1808-001 (PDF)</a>
<a href="#">Application Specification AS-171320-992-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
Series [172140](#)  
Application Backplane, Coplanar  
Component Type PCB Header  
Overview [Impel and Impel Plus Backplane Solutions](#)  
Product Name Impel  
UPC 887191898360

**Physical**

Circuits (Loaded) 64  
Circuits (maximum) 64  
Color - Resin Black  
Durability (mating cycles max) 200  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part No  
Keying to Mating Part None  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 20.203/g  
Number of Columns 8  
Number of Pairs 4  
Number of Rows 8  
Orientation Right Angle  
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**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[172140 Series](#)

**Mates With**

[Impel Right-Angle Daughtercard  
1713201038](#)

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Application Specification	1713209994-AS-000, AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Packaging Specification	PK-78888-314-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-172140-0001-001
Symbol/Footprint Data	SYM-172140-1107-001, SYM-172140-1108-001, SYM-172140-1207-001, SYM-172140-1208-001, SYM-172140-1807-001, SYM-172140-1808-001

This document was generated on 10/27/2021

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