



**Part Number :** [1713955607](#)

**Product Description :** Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm

**Series Number :** 171395

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents and Resources

### Drawings

[1713955607 sd.pdf](#)

[PK-78888-087-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-171395-5607-001.zip](#)

[1714002001A-000.pdf](#)

[1732101117-000.pdf](#)

[1714002001-SP-000.zip](#)

[1732101117-000.zip](#)

### Specifications

[1713209994-AS-000.pdf](#)

[AS-171320-990-001.pdf](#)

[AS-171320-991-001.pdf](#)

[AS-171320-992-001.pdf](#)


[PS-171320-999-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	Backplane Connectors
Series	171395
Description	Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm
Application	Backplane
Component Type	PCB Header
Product Name	Impel
UPC	887191682327

## Agency

UL	E29179
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## Electrical

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

## Physical

Circuits (Loaded)	192
Circuits (maximum)	192
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	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.493/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm

Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C

### Solder Process Data

Lead-Free Process Capability	N/A
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 16 Columns, 192 Circuits, Plated Through Hole Dimension 0.36mm	<u>1714005026</u>

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### Application Tooling

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