



**Part Number :** [1714001026](#)

**Product Description :** Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 16 Columns, 192 Circuits, Plated Through Hole Dimension 0.36mm

**Series Number :** 171400

**Status :** Active

**Product Category :** Backplane Connectors

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## Documents & Resources

### Drawings

[1714001026 sd.pdf](#)

[PK-78888-088-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-171400-1026-001.zip](#)

[1714002001A-000.pdf](#)

[1714002002-000.pdf](#)

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

[1714002002-000.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)4165-DC (25 June 2025)
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	171400
Description	Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 16 Columns, 192 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	Impel
UPC	887191080666

**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	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	78.106/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
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
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**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 Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm	<u>1713951605</u>
Impel 90 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	<u>1713951607</u>
Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	<u>1713951608</u>
Impel 90 Ohm 6 Pair Right-Angle Header, 1.90mm Pitch, Unguided, 16 Columns, Open Endwalls, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	<u>1721301608</u>

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**Application Tooling**