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Part Number: [1713951807](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-991-001 (PDF)
Drawing (PDF)	Application Specification AS-171320-992-001 (PDF)
3D Model (PDF)	Packaging Specification PK-78888-087-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171395-1807-001 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

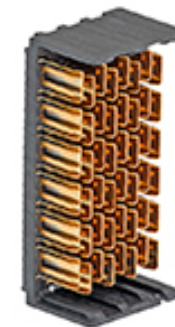
Product Family	Backplane Connectors
Series	171395
Application	Backplane
Application Tooling Documents	TM-622018899-001
Component Type	PCB Header
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191450803

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
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	6.449/g
Number of Columns	8
Number of Pairs	6
Number of Rows	12
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
Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC



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

[171395 Series](#)

Mates With

Impel Right-Angle Daughtercard
[1714001038](#) . Impel Plus Right-Angle
Daughtercard [1732101138](#)

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Electrical Model Document	1714002001A-000, 1732101117-000
Packaging Specification	PK-78888-087-001
Product Specification	PS-171320-999-001
S-Parameter Model	1714002001-SP-000, 1732101117-000
Sales Drawing	SD-171395-0001-001
Symbol/Footprint Data	SYM-171395-1807-001

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