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Part Number: [1713951107](#)
Status: **Active**
Overview: Impel and Impel Plus Backplane Solutions
Description: Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 120 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-991-001 (PDF)
3D Model (PDF)	Application Specification AS-171320-992-001 (PDF)
Drawing (PDF)	Packaging Specification PK-78888-087-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171395-1107 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

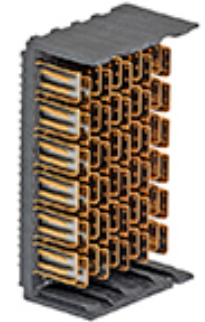
Product Family	Backplane Connectors
Series	171395
Application	Backplane
Application Tooling Documents	TM-622018899
Component Type	PCB Header
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191241753

Physical

Circuits (Loaded)	120
Circuits (maximum)	120
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	7.980/g
Number of Columns	10
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 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
1714001020](#)

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 Press-In Tool	622018920
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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	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
Sales Drawing	SD-171395-0001-001
Symbol/Footprint Data	SYM-171395-1107

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