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Part Number: [1713951608](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: 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

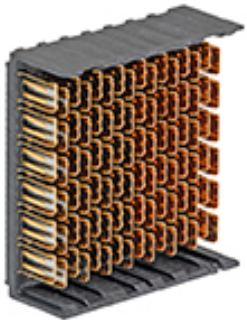
Documents:	
3D Model	Application Specification AS-171320-991-001 (PDF)
Drawing (PDF)	Application Specification AS-171320-992-001 (PDF)
3D Model (PDF)	Packaging Specification PK-78888-087-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171395-1608-001 (PDF)
Application 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-622018899-001
Component Type PCB Header
Overview [Impel and Impel Plus Backplane Solutions](#)
Product Name Impel
UPC 887191706399

Physical
Circuits (Loaded) 192
Circuits (maximum) 192
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 12.576/g
Number of Columns 16
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(2021)4569-DC (8 July 2021) Halogen-Free Status Low-Halogen For more information, please visit Contact US	China RoHS China ROHS Green Image ELV Not Relevant RoHS Phthalates Not Contained
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Search Parts in this Series
[171395](#) Series

Mates With
[Impel Right-Angle Daughtercard](#)
[1714001026](#)

Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess 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	1714002002-000, 1732101118-000
Packaging Specification	PK-78888-087-001
Product Specification	PS-171320-999-001
S-Parameter Model	1714002002-000
Sales Drawing	SD-171395-0001-001
Symbol/Footprint Data	SYM-171395-1608-001

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