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Part Number: [1714001038](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

Drawing (PDF)	Application Specification AS-171320-992-001 (PDF)
3D Model	Packaging Specification PK-78888-088-001 (PDF)
3D Model (PDF)	Test Summary 1714009101-TS-000 (PDF)
Product Specification PS-171320-999-001 (PDF)	Test Summary 1714009102-TS-000 (PDF)
Application Specification 1713209994-AS-000 (PDF)	Test Summary 1714009103-TS-000 (PDF)
Application Specification AS-171320-990-001 (PDF)	Symbol Footprint Data SYM-171400-1038-001 (PDF)
Application Specification AS-171320-991-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	171400
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Data Rate	40.0 Gbps
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
Taxonomy	Backplane Connectors
UPC	887191451046

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	39.256/g
Number of Columns	8
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
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
Impedance	90Ω
Shield Type	Full Shield



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

Search Parts in this Series

[171400](#) Series

Mates With

Impel Backplane Header [1713951807](#) ,
[1713951808](#) , [1721301808](#)

Voltage - Maximum	29.9V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Application Specification	1713209994-AS-000, AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Electrical Model Document	1714002001A-000, 1714002002-000
Packaging Specification	PK-78888-088-001
Product Specification	PS-171320-999-001
S-Parameter Model	1714002001-SP-000, 1714002002-000
Sales Drawing	SD-171400-0001-001
Symbol/Footprint Data	SYM-171400-1038-001
Test Summary	1714009101-TS-000, 1714009102-TS-000, 1714009103-TS-000

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