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Part Number: [1721401808](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm 4 Pair Right-Angle Header, 1.90mm Pitch, Unguided, 8 Columns, 64 Circuits, Pin Length 5.50, Plated Through Hole Dimension 0.36

Documents:

3D Model	Symbol Footprint Data SYM-172140-1107-001 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-172140-1108-001 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-172140-1207-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-172140-1208-001 (PDF)
Application Specification AS-171320-990-001 (PDF)	Symbol Footprint Data SYM-172140-1807-001 (PDF)
Application Specification AS-171320-991-001 (PDF)	Symbol Footprint Data SYM-172140-1808-001 (PDF)
Application Specification AS-171320-992-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-78888-314-001 (PDF)	

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	172140
Application	Backplane, Coplanar
Application Tooling Documents	TM-622018899-001
Component Type	PCB Header
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191898360

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
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	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	20.203/g
Number of Columns	8
Number of Pairs	4
Number of Rows	8
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



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

Search Parts in this Series

[172140](#) Series

Mates With

[Impel Right-Angle Daughtercard](#)
[1713201038](#)

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

Solder Process Data

Lead-freeProcess 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
Packaging Specification	PK-78888-314-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-172140-0001-001
Symbol/Footprint Data	SYM-172140-1107-001, SYM-172140-1108-001, SYM-172140-1207-001, SYM-172140-1208-001, SYM-172140-1807-001, SYM-172140-1808-001

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