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Part Number: [1719901038](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 92 Ohm 3 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 48 Circuits, 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)
Product Specification PS-171320-999-001 (PDF)	Packaging Specification PK-78888-083-001 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171990
Application	Coplanar, Daughtercard
Application Tooling Documents	TM-622018899
Component Type	PCB Receptacle
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191383712

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
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	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	16.999/g
Number of Columns	8
Number of Pairs	3
Number of Rows	6
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
Data Rate	40.0 Gbps
Impedance	92Ω



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/71/2019 (16 July
2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[171990 Series](#)

Mates With

Impel Vertical Backplane Header
[1713351805](#) , [1713351807](#) , [1713351808](#)

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 Daughter Card	621009710
Signal Removal Tool	
Impel Daughter Card	622018903
Press-In Tool	

Shield Type	Full Shield
Voltage - Maximum	150V 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
Packaging Specification	PK-78888-083-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171990-0001-001
Symbol/Footprint Data	SYM-171990-1038

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