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Part Number: [1720105020](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 10 Columns, 100 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)
3D Model (PDF)	Packaging Specification PK-78888-307-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-172010-5020-001 (PDF)
Application Specification 1713209994-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990-001 (PDF)	

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	172010
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	887191490847

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
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	42.158/g
Number of Columns	10
Number of Pairs	5
Number of Rows	10
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



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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[172010 Series](#)

Mates With

[Impel Vertical Backplane Header](#)
[1720055107](#)

Current - Maximum per Contact	0.75A
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	1713209994-AS-000, AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Electrical Model Document	1720100002-000
Packaging Specification	PK-78888-307-001
Product Specification	PS-171320-999-001
S-Parameter Model	1720100002-000
Sales Drawing	SD-172010-0004-001
Symbol/Footprint Data	SYM-172010-5020-001

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