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Part Number: [1713203022](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 12 Columns, 96 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-78888-085-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171320-3022-001 (PDF)
Application Specification 1713209994-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990-001 (PDF)	

General

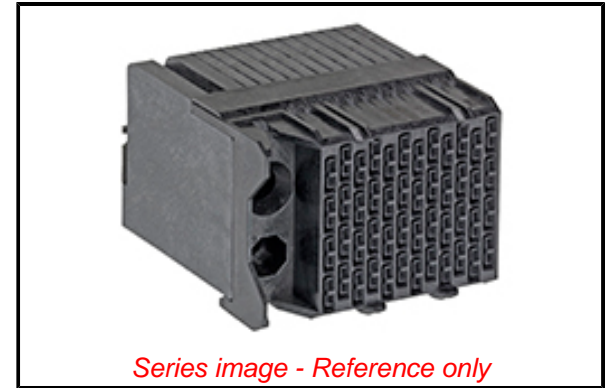
Product Family	Backplane Connectors
Series	171320
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	889056021586

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	35.409/g
Number of Columns	12
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

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



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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[171320 Series](#)

Mates With

Impel Right-Angle Header [1721403208](#)

Solder Process Data

Lead-free Process Capability

N/A

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

1713201218-000, 1713202061REVA-000

Packaging Specification

PK-78888-085-001

Product Specification

PS-171320-999-001

S-Parameter Model

1713201218-000, 1713202061-000

Sales Drawing

SD-171320-0002-001

Symbol/Footprint Data

SYM-171320-3022-001

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