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Part Number: [1713201022](#)
Status: **Active**
Overview: Impel and Impel Plus Backplane Solutions
Description: Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 12 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-992-001 (PDF)
Drawing (PDF)	Packaging Specification PK-78888-085-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171320-1022 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-991-001 (PDF)	

General

Product Family	Backplane Connectors
Series	171320
Application	Coplanar, Daughtercard
Application Tooling Documents	TM-622018899
Component Type	PCB Receptacle
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	889056021579

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	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	27.951/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	150V AC (RMS)/DC



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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 Vertical Backplane Header
[1713151207](#) , [1713151238](#) , [1713151218](#)

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 Daughtercard	622018938
Module Installation	
Press-In Tool	

Solder Process Data

Lead-free Process 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-78888-085-001

Product Specification

PS-171320-999-001

Sales Drawing

SD-171320-0001-001

Symbol/Footprint Data

SYM-171320-1022

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