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Part Number: [1717451837](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 32 Circuits, Pin Length 4.90mm, 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-78888-312-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990-001 (PDF)	

General

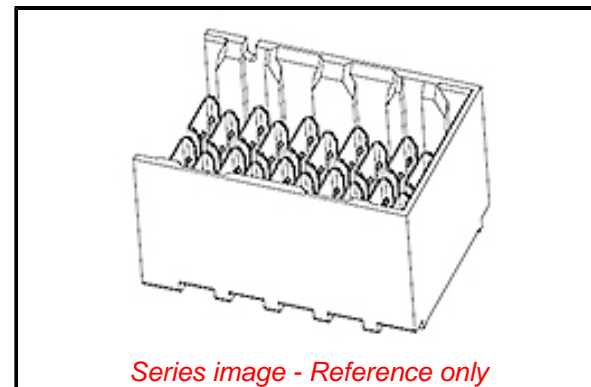
Product Family	Backplane Connectors
Series	171745
Application	Backplane
Application Tooling Documents	TM-622018899
Component Type	PCB Header
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	191128456517

Physical

Circuits (Loaded)	32
Circuits (maximum)	32
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	2.953/g
Number of Columns	8
Number of Pairs	2
Number of Rows	4
Orientation	Vertical
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

[171745 Series](#)

Mates With

Impel Right-Angle Daughtercard
[1717501038](#)

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 #

Installation Press- In Tool for Impel Backplane Assembly (2-Pair by 8 Column Assemblies)	622018894
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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-78888-312-001

Product Specification

PS-171320-999-001

Sales Drawing

SD-171745-0001-001

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