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Part Number: [1717455108](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 90 Ohm 2 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, 10 Columns, 40 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Packaging Specification PK-78888-312-001 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-171745-5104 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-171745-5105 (PDF)
Product Specification PS-171320-999-001 (PDF)	Symbol Footprint Data SYM-171745-5107 (PDF)
Application Specification AS-171320-990-001 (PDF)	Symbol Footprint Data SYM-171745-5108 (PDF)
Application Specification AS-171320-991-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-992-001 (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	889056055659

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
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	6.375/g
Number of Columns	10
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



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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[171745 Series](#)

Mates With

Impel Right-Angle Daughtercard
[1717505020](#)

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 Backplane Press-In Tool	622018984
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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-78888-312-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171745-0004-001
Symbol/Footprint Data	SYM-171745-5104, SYM-171745-5105, SYM-171745-5107, SYM-171745-5108

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