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Part Number: [1713151607](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 128 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-991 (PDF)
Drawing (PDF)	Application Specification AS-171320-992 (PDF)
Product Specification PS-171320-999 (PDF)	Packaging Specification PK-78888-084 (PDF)
Application Specification AS-171320-990 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171315
Application	Backplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	887191523873

Physical

Circuits (Loaded)	128
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	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	9.042/g
Number of Columns	16
Number of Pairs	4
Number of Rows	8
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°C to +85°C

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	92#
Shield Type	Full Shield



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[171315 Series](#)

Mates With

Impel™ Right-Angle Daughtercard
[171320-1026](#)

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	0622018955

Voltage - Maximum 150V AC (RMS)

Solder Process Data

Lead-free Process Capability N/A

Material Info

Reference - Drawing Numbers

Application Specification AS-171320-990, AS-171320-991, AS-171320-992

Packaging Specification PK-78888-084

Product Specification PS-171320-999

Sales Drawing SD-171315-0001

Symbol/Footprint Data SYM-171315-1607

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