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Part Number: [1713955608](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right-Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, 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)
Product Specification PS-171320-999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990-001 (PDF)	

Agency Certification

UL	E29179
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General

Product Family	Backplane Connectors
Series	171395
Application	Backplane
Component Type	PCB Header
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	887191717609

Physical

Circuits (Loaded)	192
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	15.787/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
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	92Ω
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[171395](#) Series

Mates With

Impel™ Right-Angle Daughtercard
[171400-5026](#)

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	0622018924
Impel™ Insertion Tool	0622018930

Solder Process Data

Lead-freeProcess CapabilityN/A

Impel™ Insertion
Tool0622018940

Material Info

Reference - Drawing Numbers

Application SpecificationAS-171320-990-001, AS-171320-991-001,
AS-171320-992-001
Product SpecificationPS-171320-999-001
Sales DrawingSD-171395-0004, SD-171755-0004
Symbol/Footprint DataSYM-171395-5608

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