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Part Number: [1713951605](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm

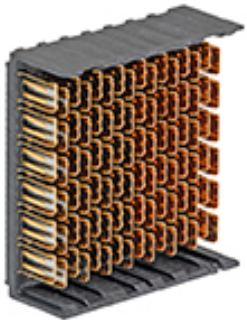
Documents:
[3D Model](#) [Application Specification AS-171320-991-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [Application Specification AS-171320-992-001 \(PDF\)](#)
[Product Specification PS-171320-999-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-171320-990-001 \(PDF\)](#)

Agency Certification
UL E29179

General
Product Family Backplane Connectors
Series [171395](#)
Application Backplane
Component Type PCB Header
Overview [Impel™ and Impel™ Plus Backplane Solutions](#)
Product Name Impel™
UPC 887191068459

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 12.960/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 **China RoHS**
Compliant
REACH SVHC
Not Contained Per
-ED/01/2017 (12
January 2017)
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 171400-1026](#)

Solder Process Data

Lead-freeProcess CapabilityN/A

Material Info

Reference - Drawing Numbers

Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171395-0001
Symbol/Footprint Data	SYM-171395-1605

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