This document was generated on 02/22/2017

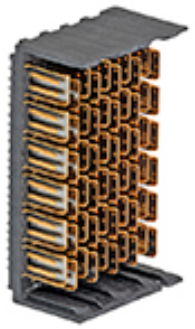
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1713951107

Status: Active

Overview: Impel™ and Impel™ Plus Backplane Solutions

Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 120 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-171320-999-001 (PDF)
- Application Specification AS-171320-990-001 (PDF)
- Application Specification AS-171320-991-001 (PDF)
- Application Specification AS-171320-992-001 (PDF)
- RoHS Certificate of Compliance (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	887191241753

Physical

Circuits (Loaded)	120
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	7.980/g
Number of Columns	10
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)

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
171400-1020

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
Product Specification	PS-171320-999-001
Sales Drawing	SD-171395-0001
Symbol/Footprint Data	SYM-171395-1107

This document was generated on 02/22/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION