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Part Number: [1713203038](#)
Status: **Active**
Overview: Impel™ and Impel™ Plus Backplane Solutions
Description: Impel™ 92 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 8 Columns, 64 Circuits, 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)	Packaging Specification PK-78888-085 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)



Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171320
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	887191646879

Physical

Circuits (Loaded)	64
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	26.656/g
Number of Columns	8
Number of Pairs	4
Number of Rows	8
Orientation	Right Angle
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	-40°C to +105°C

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	92Ω
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)

Solder Process Data

EU ELV

Not Relevant

EU 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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[171320](#) Series

Mates With

[Impel™ Vertical Backplane Header 171315-3808](#)

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-78888-085

Product Specification

PS-171320-999-001

Sales Drawing

SD-171320-0002

Symbol/Footprint Data

SYM-171320-3038

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