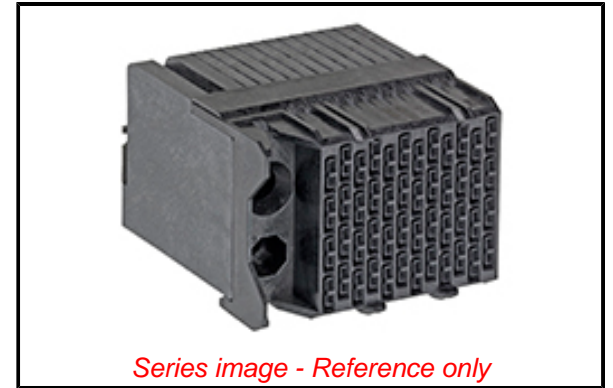


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1713203022](#)  
**Status:** **Active**  
**Overview:** Impel™ and Impel™ Plus Backplane Solutions  
**Description:** Impel™ 92 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 12 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-171320-991-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-171320-992-001 (PDF)</a>
<a href="#">Product Specification PS-171320-999-001 (PDF)</a>	<a href="#">Packaging Specification PK-78888-085 (PDF)</a>
<a href="#">Application Specification AS-171320-990-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	Backplane Connectors
Series	<a href="#">171320</a>
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	<a href="#">Impel™ and Impel™ Plus Backplane Solutions</a>
Product Name	Impel™
UPC	889056021586

**Physical**

Circuits (Loaded)	96
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	35.409/g
Number of Columns	12
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**

Lead-free Process Capability	N/A
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**Material Info**

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**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](mailto: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**

[171320](#) Series

**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™	<a href="#">0622018938</a>
Daughtercard	
Module Installation	
Press-In Tool	

**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-171320-3022

This document was generated on 02/17/2017

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