

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

**Part Number:** [1717505022](#)  
**Status:** **Active**  
**Overview:** [Impel™ and Impel™ Plus Backplane Solutions](#)  
**Description:** Impel™ 92 Ohm, 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 12 Columns, 48 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-78888-313 (PDF)</a>
<a href="#">Application Specification AS-171320-990-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

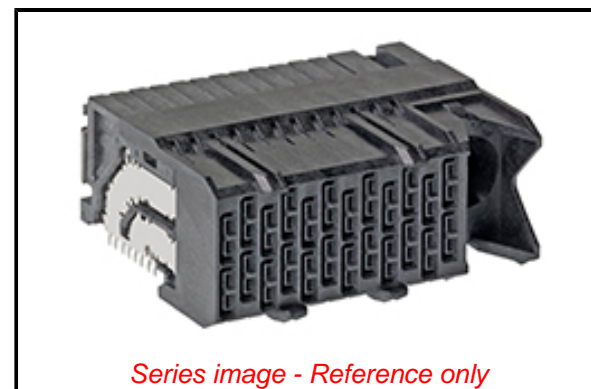
Product Family	Backplane Connectors
Series	<a href="#">171750</a>
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	<a href="#">Impel™ and Impel™ Plus Backplane Solutions</a>
Product Name	Impel™
UPC	887191648620

**Physical**

Circuits (Loaded)	48
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
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	13.617/g
Number of Columns	12
Number of Pairs	2
Number of Rows	4
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	-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**

**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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171750](#) Series

**Mates With**

[Impel™ Vertical Backplane Header](#)  
[171745-5208](#)

**Solder Process Data**

Lead-free Process 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-78888-313

Product Specification

PS-171320-999-001

Sales Drawing

SD-171750-0004

Symbol/Footprint Data

SYM-171750-5022

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