

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

**Part Number:** [1715001022](#)  
**Status:** **Active**  
**Overview:** Impel™ Backplane Connector and Cable Assembly System  
**Description:** Impel™ 92 Ohm, 6 Pair Right-Angle Orthogonal Daughtercard, 2.35mm Pitch, Unguided, 12 Columns, 144 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-171320-992 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-171500-990 (PDF)</a>
<a href="#">Product Specification PS-171320-999 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-171320-991 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

Product Family	Backplane Connectors
Series	<a href="#">171500</a>
Application	Coplanar, Daughtercard, Orthogonal
Component Type	PCB Receptacle
Overview	<a href="#">Impel™ Backplane Connector and Cable Assembly System</a>
Product Name	Impel™
UPC	887191280868

**Physical**

Circuits (Loaded)	144
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	59.960/g
Number of Columns	12
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.00mm
Packaging Type	Tray
Pitch - Mating Interface	2.35mm
Pitch - Termination Interface	2.35mm
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	92#
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

No -ED/39/2015 (15 June 2015)

**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

**China RoHS**

Green Image

Not Relevant

**Search Parts in this Series**

[171500](#) Series

**Mates With**

Impel™ Vertical Backplane Header [171495-0227](#) , [171495-0228](#) , [171495-1226](#) , [171495-1227](#) <br>Impel™ Orthogonal Right-Angle Male [171740-1208](#)

**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™

[0622018961](#)

Daughtercard

Module Installation

Press-In Tool

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info****Reference - Drawing Numbers**

Application Specification

AS-171320-991, AS-171320-992, AS-171500-990

Product Specification

PS-171320-999

Sales Drawing

SD-171500-0001

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