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**Part Number:** [172010-1020](#)  
**Status:** **Active**  
**Overview:** [Impel™ Backplane Connector and Cable Assembly System](#)  
**Description:** [Impel™ 92 Ohm, 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 100 Circuits, Plated Through Hole Dimension 0.36mm](#)

**Documents:**

[Drawing \(PDF\)](#) [Application Specification AS-171320-990 \(PDF\)](#)  
[Product Specification PS-171320-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">172010</a>
Application	Backplane
Component Type	PCB Receptacle
Overview	<a href="#">Impel™ Backplane Connector and Cable Assembly System</a>
Product Name	Impel™
Style	N/A
UPC	887191445847

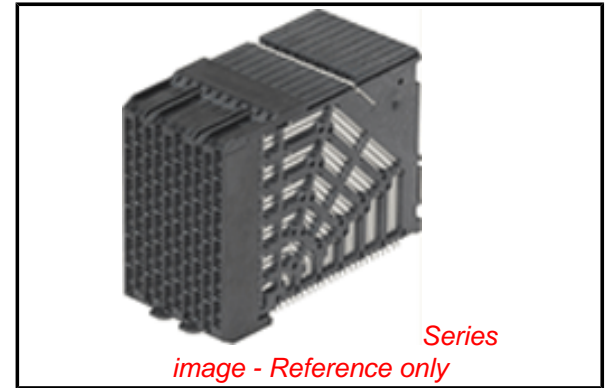
**Physical**

Circuits (Loaded)	100
Circuits (maximum)	100
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	34.083/g
Number of Columns	10
Number of Pairs	5
Number of Rows	10
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	92#
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)

**Material Info**



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Low-Halogen Status  
Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[172010Series](#)

**Mates With**

[172005 Impel™ Backplane Assembly](#)

**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 Daughtercard	<a href="#">0622018966</a>
Press-In Tool	

**Reference - Drawing Numbers**

Application Specification

Product Specification

Sales Drawing

AS-171320-990

PS-171320-999

SD-172010-0001

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