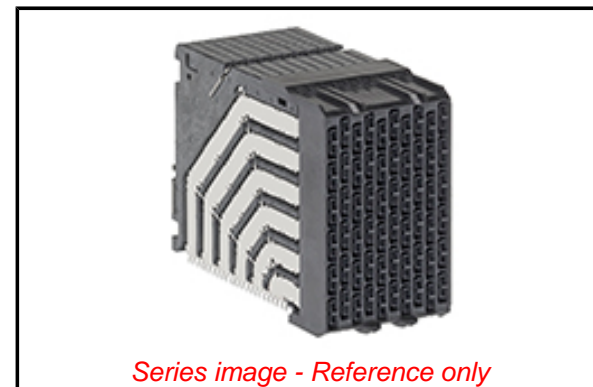


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Part Number: [1714001020](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly System
Description: Impel™ 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-991 (PDF)
Drawing (PDF)	Application Specification AS-171320-992 (PDF)
Product Specification PS-171320-999 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990 (PDF)	



Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171400
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ Backplane Connector and Cable Assembly System
Product Name	Impel™
UPC	887191080659

Physical

Circuits (Loaded)	120
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	48.980/g
Number of Columns	10
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	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)

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
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

[171400 Series](#)

Mates With

Impel™ Vertical Backplane Header
[171395-1105](#) , [171395-1107](#) , [171395-1108](#)

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 Module Removal Tool	0621009750
Impel™ Daughter Card Press-In Tool	0622018919

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

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

Product Specification

PS-171320-999, RPS-171320-989

Sales Drawing

SD-171400-0001

This document was generated on 01/07/2016

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