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Part Number: [1720103020](#)
Status: **Active**
Overview: Impel™ and Impel™ Plus Backplane Solutions
Description: Impel™ 92 Ohm, 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 10 Columns, 100 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-991-001 (PDF)
Drawing (PDF)	Application Specification AS-171320-992-001 (PDF)
Product Specification PS-171320-999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-990-001 (PDF)	

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	172010
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	887191490830

Physical

Circuits (Loaded)	100
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	42.158/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	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/21/2016 (20 June
2016)

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

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[172010](#) Series

Mates With

Impel™ Vertical Backplane Header
[172005-3107](#)

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	0622018966
Press-In Tool	

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

Product Specification

PS-171320-999-001

Sales Drawing

SD-172010-0002

Symbol/Footprint Data

SYM-172010-3020

This document was generated on 11/18/2016

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