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Part Number: [1714005026](#)
Status: **Active**
Overview: Impel™ and Impel™ Plus Backplane Solutions
Description: Impel™ 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 16 Columns, 192 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	171400
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	887191118321

Physical

Circuits (Loaded)	192
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
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	88.112/g
Number of Columns	16
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	92Ω
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)

Solder Process Data



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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[171400](#) Series

Mates With

Impel™ Vertical Backplane Header
[171395-5605](#) , [171395-5607](#) , [171395-5608](#)

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	0621009760

Lead-free Process Capability

N/A

Impel™ Daughter 0622018923
Card Press-In Tool

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-171400-0004

Symbol/Footprint Data

SYM-171400-5026

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