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Part Number: [1714001038](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 96 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)	

General

Product Family	Backplane Connectors
Series	171400
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	887191451046

Physical

Circuits (Loaded)	96
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	39.256/g
Number of Columns	8
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)

Material Info

Reference - Drawing Numbers



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 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

Green Image
Not Relevant

Search Parts in this Series

[171400](#) Series

Mates With

Impel™ Vertical Backplane Header
[171395-1807](#) , [171395-1808](#)

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 [0622018960](#)
Press-In Tool

Application Specification	AS-171320-990, AS-171320-991, AS-171320-992
Product Specification	PS-171320-999
Sales Drawing	SD-171400-0001
Symbol/Footprint Data	SYM-171400-1038

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