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Part Number: [1717505020](#)
Status: **Active**
Overview: [Impel™ and Impel™ Plus Backplane Solutions](#)
Description: Impel™ 92 Ohm, 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 10 Columns, 40 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)	Packaging Specification PK-78888-313 (PDF)
Application Specification AS-171320-990-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	171750
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	889056069274

Physical

Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.794/g
Number of Columns	10
Number of Pairs	2
Number of Rows	4
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	-40°C to +105°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

Lead-freeProcess Capability	N/A
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Material Info



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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

[171750](#) Series

Mates With

Impel™ Vertical Backplane Header
[171745-5108](#)

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 Press-In Tool	0622018987

Reference - Drawing Numbers

Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Packaging Specification	PK-78888-313
Product Specification	PS-171320-999-001
Sales Drawing	SD-171750-0004
Symbol/Footprint Data	SYM-171750-5020

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