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Part Number: [1717501020](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 10 Columns, 40 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)	Packaging Specification PK-78888-313 (PDF)
Application Specification AS-171320-990 (PDF)	RoHS Certificate of Compliance (PDF)



General

Product Family	Backplane Connectors
Series	171750
Application	Backplane
Component Type	PCB Receptacle
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	889056145268

Physical

Circuits (Loaded)	40
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	9.568/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	-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)

Solder Process Data

Lead-free Process Capability	N/A
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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

[171750](#) Series

Mates With

Impel™ Vertical Backplane Assembly
[171745-1107](#)

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	0622018987
Press-In Tool	

Material Info

Reference - Drawing Numbers

Application Specification	AS-171320-990, AS-171320-991, AS-171320-992
Packaging Specification	PK-78888-313
Product Specification	PS-171320-999
Sales Drawing	SD-171750-0001
Symbol/Footprint Data	SYM-171750-1020

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