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**Part Number:** [1717451107](#)

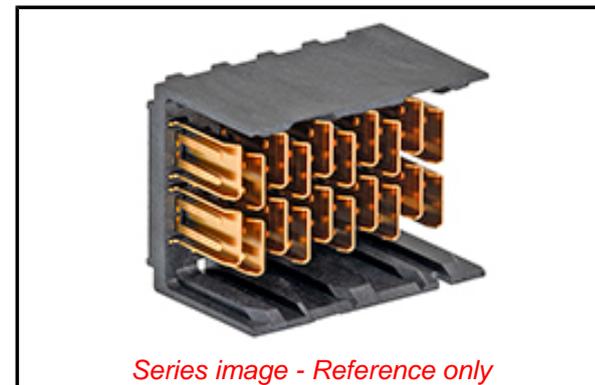
**Status:** **Active**

**Overview:** Impel™ Backplane Connector and Cable Assembly Systems

**Description:** Impel™ 92 Ohm, 2 Pair Vertical Backplane Assembly, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 40 Circuits, Plated Through Hole Dimension 0.36mm

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-171320-991 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-171320-992 (PDF)</a>
<a href="#">Product Specification PS-171320-999 (PDF)</a>	<a href="#">Packaging Specification PK-78888-312 (PDF)</a>
<a href="#">Application Specification AS-171320-990 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



Series image - Reference only

**General**

Product Family	Backplane Connectors
Series	171745
Application	Backplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	889056145251

**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	3.231/g
Number of Columns	10
Number of Pairs	2
Number of Rows	4
Orientation	Vertical
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	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](mailto: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**

[171745](#) Series

**Mates With**

Impel™ Right-Angle Daughtercard  
[171750-1020](#)

**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 Backplane Press-In Tool	<a href="#">0622018984</a>

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-171320-990, AS-171320-991, AS-171320-992
Packaging Specification	PK-78888-312
Product Specification	PS-171320-999
Sales Drawing	SD-171745-0001
Symbol/Footprint Data	SYM-171745-1107

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