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Part Number: [171745-1107](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly System
Description: Impel™ 92 Ohm, 2 Pair Vertical Backplane Assembly, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

[3D Model](#) [Product Specification PS-171320-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	171745
Application	Backplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly System
Product Name	Impel™
Style	N/A
UPC	889056145251

Physical

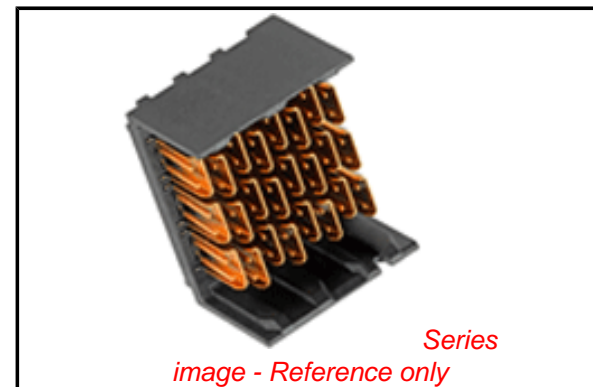
Circuits (Loaded)	120
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	3.231/g
Number of Columns	10
Number of Pairs	2
Number of Rows	6
Orientation	Vertical
PC Tail Length	4.90mm
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)

Material Info

Reference - Drawing Numbers



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Low-Halogen Status
Low-Halogen**

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[171745Series](#)

Mates With

[171750 Impel™ Daughtercard Assembly](#)

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	0622018984

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