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Part Number: [1714950227](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly Systems
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.85/2.35mm Pitch, Unguided Type A, Dual Endwalls, 12 Columns, 144 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Documents:

3D Model	Application Specification AS-171320-992 (PDF)
Drawing (PDF)	Application Specification AS-171500-990 (PDF)
Product Specification PS-171320-999 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-171320-991 (PDF)	

Agency Certification

UL E29179

General

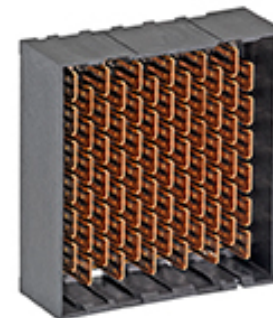
Product Family	Backplane Connectors
Series	171495
Application	Orthogonal Midplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly Systems
Product Name	Impel™
UPC	887191307855

Physical

Circuits (Loaded)	144
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
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	12.530/g
Number of Columns	12
Number of Pairs	6
Number of Rows	12
Orientation	Vertical
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.00mm
Packaging Type	Tray
Pitch - Mating Interface	1.85mm, 2.35mm
Pitch - Termination Interface	2.35mm
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#



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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

[171495](#) Series

Mates With

Impel™ Right-Angle Orthogonal
Daughtercard [171500-1022](#)

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	0622018933
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Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)

Solder Process Data

Lead-free Process Capability	N/A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-171320-991, AS-171320-992, AS-171500-990
Product Specification	PS-171320-999
Sales Drawing	SD-171495-0001
Symbol/Footprint Data	SYM-171495-0227

This document was generated on 03/30/2016

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