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Part Number: [171395-1608](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly System
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm

Documents:

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171395
Application	Backplane
Component Type	PCB Header
Overview	Impel™ Backplane Connector and Cable Assembly System
Product Name	Impel™
Style	N/A
UPC	887191706399

Physical

Circuits (Loaded)	192
Circuits (maximum)	192
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
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	12.576/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
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	-55°C to +85°C

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	92#
Shield Type	Full Shield



Series
image - Reference only

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

[171395Series](#)

Mates With

[171400 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	0622018924
Impel™ Insertion Tool	0622018930
Impel™ Insertion Tool	0622018940

Voltage - Maximum

150V AC (RMS)

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-171395-0001, SD-171755-0001

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