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Part Number: [1001446800](#)
Status: **Active**
Overview: [Impel and Impel Plus Backplane Solutions](#)
Description: Impel 92 Ohm 6-Pair Backplane Header-to-6-Pair Backplane Header Cable Assembly, 0.5m Length, 8 Columns, 96 Circuits, Pin Length 4.90mm

Documents:

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

General

Product Family	Cable Assemblies
Series	100144
Assembly Configuration	Dual Ended Connectors
Comments	Data Rate 40.0 Gbps
Connector to Connector	Impel 6 by 8 Both Ends
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	191128217262

Physical

Cable Length	0.50m
Circuits (Loaded)	96
Color - Resin	Black
Gender	Male-Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	1.000/g
Packaging Type	Bag
Pitch - Mating Interface	1.90mm
Plating min - Mating	0.762µm
Single Ended	No
Wire Size AWG	30
Wire/Cable Type	Twinax

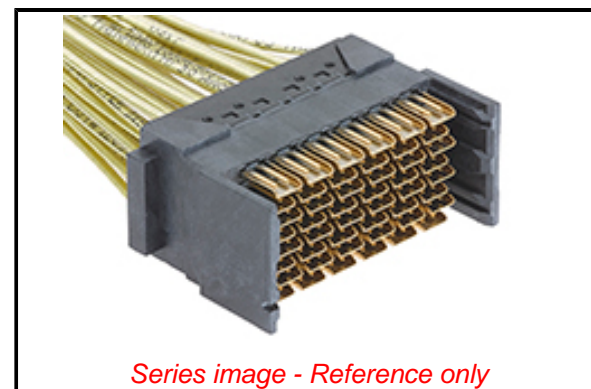
Electrical

Current - Maximum per Contact	0.75A
Impedance	92Ω
Voltage - Maximum	150V AC (RMS)

Material Info

Reference - Drawing Numbers

Sales Drawing	1001446800-000
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Not 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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[100144 Series](#)

Mates With

[Impel 6-Pair Right-Angle Daughtercard 171400-1038](#)