

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**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	<a href="#">100144</a>
Assembly Configuration	Dual Ended Connectors
Comments	Data Rate 40.0 Gbps
Connector to Connector	Impel 6 by 8 Both Ends
Overview	<a href="#">Impel and Impel Plus Backplane Solutions</a>
Product Name	Impel
Taxonomy	High-Speed Pluggable I/O Cable
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
Material - Plating Termination	Tin
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	29.9V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	1001446800-000
---------------	----------------



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[100144 Series](#)

**Mates With**

[Impel 6-Pair Right-Angle Daughtercard  
1714001038](#)