



**Part Number :** [1001446800](#)  
**Product 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  
**Series Number :** 100144  
**Status :** Active  
**Product Category :** High-Speed I/O Cable  
Assemblies




## Documents & Resources

### Drawings

[1001446800 sd.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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### Part Details

#### General

Status	Active
Category	High-Speed I/O Cable Assemblies
Series	100144
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
Assembly Configuration	Dual Ended Connectors
Comments	Data Rate 40.0 Gbps
Connector to Connector	Impel 6 by 8 Both Ends
Product Name	Impel
Type	Pluggable
UPC	191128217262

#### Electrical

Current - Maximum per Contact	0.75A
Impedance	92Ω
Voltage - Maximum	29.9V AC (RMS)/DC

#### Physical

Cable Bundling	None
Cable Length	0.50m
Circuits (Loaded)	96
Circuits (maximum)	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
Plating min - Mating	0.762µm
Release Style	N/A
Single Ended	No
Wire/Cable Type	Twinax
Wire Size (AWG)	30

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm	<u>1714001038</u>