



Part Number : 1713151837

Product Description : Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Series Number : 171315

Status : Active

Product Category : Backplane Connectors

Documents & Resources

Drawings

- Drawing 1713151837\_sd.pdf
- Packaging Design Drawing PK-78888-084-001.pdf

3D Models and Design Files


- 3D Model 1713151837\_stp.zip
- Electrical Model Document 1713202061REVA-000.pdf
- Electrical Model Document 2040661117-000.pdf
- S-Parameter Model 1713202061-000.zip
- S-Parameter Model 2040661117-000.zip
- Symbol Footprint Data SYM-171315-1837-001.zip

Specifications

- Application Specification 1713209994-AS-000.pdf
- Application Specification AS-171320-990-001.pdf
- Application Specification AS-171320-991-001.pdf
- Application Specification AS-171320-992-001.pdf
- Product Specification PS-171320-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

## Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

---

### Part Details

#### General

Status	Active
Category	Backplane Connectors
Series	171315
Description	Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm
Application	Backplane
Component Type	PCB Header
Product Family	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191343655

#### Agency

CSA	152514
UL	E29179

#### Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	90Ω

Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC

## Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	4.976/g
Number of Columns	8
Number of Pairs	4
Number of Rows	8
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C

## Solder Process Data

Lead-Free Process Capability	N/A
------------------------------	-----

---

## Mates With / Use With

Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 64 Circuits, Plated Through Hole Dimension 0.36mm	<u>1713201038</u>