



**Part Number :** [1713209032](#)  
**Product Description :** Impel 90 Ohm, 4 Pair  
Right-Angle Daughtercard, 1.90mm Pitch,  
Right Guided, 2 Columns, 16 Circuits, Plated  
Through Hole Dimension 0.36mm  
**Series Number :** 171320  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

### Drawings

[Drawing 1713209032\\_sd.pdf](#)  
[Packaging Design Drawing PK-78888-085-001.pdf](#)

### 3D Models and Design Files

[3D Model 1713209032\\_stp.zip](#)  
[Electrical Model Document 1713201218-000.pdf](#)  
[Electrical Model Document 1713202061REVA-000.pdf](#)  
[S-Parameter Model 1713202061-000.zip](#)  
[S-Parameter Model 1713201218-000.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 Specification PS-45499-002-001.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

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### Part Details

#### General

Status	Active
Category	Backplane Connectors
Series	171320
Description	Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 2 Columns, 16 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Family	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	191128235341

#### Agency

UL	E29179
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#### 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)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
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	13.182/g
Number of Columns	2
Number of Pairs	4
Number of Rows	8
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	1.30mm
PCB Locator	Yes
PCB Retention	Yes
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
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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
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Mates With	Impel Cable
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