



**Part Number :** [2081001054](#)

**Product Description :** Impulse 90 Ohm 3-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 14 Columns, 42 Differential Pair

**Series Number :** 208100

**Status :** Active

**Product Category :** Backplane Connectors

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## Documents and Resources

### Drawings

[2081001054\\_sd.pdf](#)

[3006409037-000.pdf](#)

[3006418040-000.pdf](#)

[2081002000-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[3006409037-000.zip](#)

[3006418040-000.zip](#)

### Specifications

[1735109996-AS-000.pdf](#)

[1735109997-AS-000.pdf](#)

[1735109998-AS-000.pdf](#)

[1735109999-AS-000.pdf](#)

[1735109000-PS-000.pdf](#)

### Tooling Specifications


[3006409037-000.pdf](#)

[3006418040-000.pdf](#)

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## Product Environment Compliance

## Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
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	Backplane Connectors
Series	208100
Description	Impulse 90 Ohm 3-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 14 Columns, 42 Differential Pair
Application	Daughtercard
Component Type	PCB Receptacle
Product Name	Impulse
UPC	196823147913

## Electrical

Current - Maximum per Contact	0.75A
Data Rate	112 Gbps (PAM-4)
Impedance	90Ω
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)/DC

## Physical

Circuits (Loaded)	84
Circuits (maximum)	84
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	No
Material - Metal	High Performance Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	22.439/g
Number of Columns	14
Number of Pairs	3
Number of Rows	6
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762μm
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Impulse 90 Ohm 3-Pair Vertical Header, 2.00mm Pitch, Unguided, 14 Columns, 42 Differential Pair	<u>2039300406</u>

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