



**Part Number :** [1301530023](#)

**Product Description :** Impact 100 Ohm 3 Pair Vertical Backplane Header, Right Guide, Left Endwall, 10 Columns, 90 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free

**Series Number :** 76165

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents & Resources

### Drawings

[Drawing 761659105\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-758-001.pdf](#)

### 3D Models and Design Files

[3D Model 761659105\\_stp.zip](#)

[Symbol Footprint Data SYM-76165-9105-001.zip](#)

### Specifications

[Application Specification AS-76060-990-001.pdf](#)

[Application Specification AS-76060-9999-001.pdf](#)

[Product Specification PS-45499-002-001.pdf](#)

[Product Specification PS-76060-999-001.pdf](#)

[Test Summary TS-76170-0001-001.pdf](#)

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## 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	76165
Description	Impact 100 Ohm 3 Pair Vertical Backplane Header, Right Guide, Left Endwall, 10 Columns, 90 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free
Application	Conventional
Component Type	PCB Header
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	883906223052

#### Agency

UL	E29179
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#### Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100Ω
Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

## Physical

Circuits (Loaded)	90
Circuits (maximum)	90
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
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	5.282/g
Number of Columns	10
Number of Pairs	3
Number of Rows	9
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.40mm
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
Polarized to PCB	Yes
Stackable	No
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
Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacles	<u>76170</u>

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