



**Part Number :** [761701010](#)

**Product Description :** Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacle, Unguided, 10 Columns, 90 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free

**Series Number :** 76170

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents & Resources

### Drawings

[761701010 sd.pdf](#)

[PK-70873-591-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[SYM-76170-1010-001.zip](#)

[EE-76170-003-001.pdf](#)

[SP-76170-003-001.zip](#)

### Specifications

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

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

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

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

[TS-76170-0001-001.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 IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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

## Part Details

### General

Status	Active
Category	Backplane Connectors
Series	76170
Description	Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacle, Unguided, 10 Columns, 90 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free
Application	Conventional, Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	Impact
UPC	883906216672

## Agency

UL	E29179
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## Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100Ω
Shielded	No
Shield Type	N/A
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	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	8.139/g
Number of Columns	10
Number of Pairs	3
Number of Rows	9
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.20mm
Pitch - Mating Interface	1.90mm

Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

### Solder Process Data

Lead-Free Process Capability	N/A
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Impact 100 Ohm 3 Pair Vertical Backplane Headers	<u>76165</u>
Impact 100 Ohm 3 Pair Right-Angle Male Headers	<u>76410</u>

#### Use with Part(s)

Description	Part Number
Wide Guide Modules and Pins	<u>76153</u>

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### Application Tooling