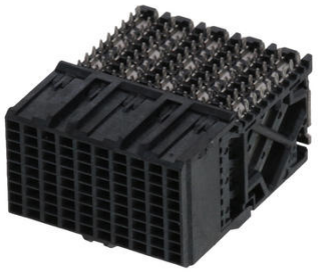
**Part Number :** 761701010
**Product Description :** Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacle, Unguided, 10 Columns, 90 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free
**Series Number :** 76170
**Status :** Active
**Product Category :** Backplane Connectors



## 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

## 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

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## 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 |

**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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Impact 100 Ohm 3 Pair Vertical Backplane Headers | 76165 |
| Impact 100 Ohm 3 Pair Right-Angle Male Headers | 76410 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Wide Guide Modules and Pins | 76153 |

## Application Tooling