



**Part Number :** [764105107](#)

**Product Description :** Impact 100 Ohm 3 Pair Right-Angle Male Header, Right Guide, Open Endwall, 10 Columns, 90 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Series Number :** 76410

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents and Resources

### Drawings

[764105107\\_sd.pdf](#)

[PK-70873-762-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76410-5107-001.zip](#)

[EE-76410-002-002.pdf](#)

[SP-76410-002-002.zip](#)

### Specifications

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

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


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

[PS-76060-999-001.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)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

## Part Details

### General

|                |   |
|----------------|---|
| Status         | Active  |
| Category       | Backplane Connectors  |
| Series         | 76410   |
| Description    | Impact 100 Ohm 3 Pair Right-Angle Male Header, Right Guide, Open Endwall, 10 Columns, 90 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Coplanar  |
| Component Type | PCB Header  |
| Product Name   | Impact  |
| UPC            | 883906421335  |

### 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           | Yes                            |
| Keying to Mating Part          | No                             |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 12.532/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | No                             |
| 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               | 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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## Application Tooling

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This document was generated on May 13, 2026