This document was generated on 11/17/2016

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0761701020
**Status:** Active
**Overview:** Impact™ Backplane Connector and Cable Assembly System
**Description:** Impact™ 100 Ohm 3 Pair Right Angle Daughtercard Receptacle, Unguided, 10 Columns, 90 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-76060-999-001 (PDF)
- Product Specification TS-76170-0001-001 (PDF)
- Application Specification AS-76060-990-001 (PDF)
- Application Specification AS-76060-9999-001 (PDF)
- Packaging Specification PK-70873-591 (PDF)
- RoHS Certificate of Compliance (PDF)

| | |
|---|---|
| **Agency Certification** | |
| UL | E29179 |
| **General** | |
| Product Family | Backplane Connectors |
| Series | 76170 |
| Application | Conventional, Coplanar, Daughtercard |
| Application Tooling Documents | TM-622018799 |
| Component Type | PCB Receptacle |
| Electrical Model | Yes |
| Overview | Impact™ Backplane Connector and Cable Assembly System |
| Product Name | Impact™ |
| UPC | 800756937045 |
| **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 | 7.738/g |
| Number of Columns | 10 |
| Number of Pairs | 3 |
| Number of Rows | 9 |
| Orientation | Right Angle |
| PC Tail Length | 1.20mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.00mm |
| Packaging Type | Tray |
| 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°C to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

**EU ELV**
**Not Relevant**

**EU RoHS** | **China RoHS**
**Compliant**

**REACH SVHC**
Not Contained Per - ED/21/2016 (20 June 2016)

**Halogen-Free Status**
**Low-Halogen**

**Need more information on product environmental compliance?**

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
76170 Series

**Mates With**
76165 Impact™ 100 Ohm Vertical Header,
76410 Impact™ 100 Ohm Right Angle Header

**Use With**
76153 Pirate Cannon Wide Guide Module

**Application Tooling** | **FAQ**
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*
**Global**
**Description** **Product #**

**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 |

**Solder Process Data**

| | |
|---|---|
| Lead-freeProcess Capability | N/A |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Application Specification | AS-76060-990-001, AS-76060-9999-001 |
| Electrical Model Document | EE-76170-003 |
| Packaging Specification | PK-70873-591 |
| Product Specification | PS-76060-999-001, TS-76170-0001-001 |
| S-Parameter Model | SP-76170-003 |
| Sales Drawing | SD-76170-001 |
| Symbol/Footprint Data | SYM-76170-1020 |

| | |
|---|---|
| Daughter Card Module Installation Press-In Tool for 3-Pair by 10-Column Assemblies | 0622018646 |
| Impact Daughter Card Extraction Tool | 0622024300 |
| Impact™ Daughter Card Module Removal Tool | 0622024600 |