

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0761701010

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 0.46mm, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-76060-999 (PDF)

Application Specification AS-76060-990 (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                            | 883906216672                                          |
| 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                                           |
| 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                                                    |
| Temperature Range - Operating  | -55°C to +85°C                                        |
| Termination Interface: Style   | Through Hole - Compliant Pin                          |
| Electrical                     |                                                       |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Contains SVHC(2014

December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

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   <a href="#">FAQ</a>                                                                                                                                       |            |
| 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 #  |
| Daughter Card                                                                                                                                                                   | 0622018646 |
| Module Installation                                                                                                                                                             |            |
| Press-In Tool for 3-                                                                                                                                                            |            |

|                                    |                             |                                    |
|------------------------------------|-----------------------------|------------------------------------|
| Current - Maximum per Contact      | 0.75A                       | Pair by 10-Column                  |
| Data Rate                          | 25.0 Gbps                   | Assemblies                         |
| Impedance                          | 100#                        | Impact Daughter <u>0622024300</u>  |
| Shield Type                        | N/A                         | Card Extraction Tool               |
| Shielded                           | No                          | Impact™ Daughter <u>0622024600</u> |
| Voltage - Maximum                  | 30V AC (RMS)/DC             | Card Module                        |
| <b>Solder Process Data</b>         |                             | Removal Tool                       |
| Lead-freeProcess Capability        | N/A                         |                                    |
| <b>Material Info</b>               |                             |                                    |
| <b>Reference - Drawing Numbers</b> |                             |                                    |
| Application Specification          | AS-76060-990                |                                    |
| Electrical Model Document          | EE-76170-0001, EE-76170-003 |                                    |
| Product Specification              | PS-76060-999                |                                    |
| S-Parameter Model                  | SP-76170-003                |                                    |
| Sales Drawing                      | SD-76170-001                |                                    |
| Symbol/Footprint Data              | SYM-76170-1010              |                                    |

This document was generated on 07/02/2015

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION