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**Part Number:** **0761705006**  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connector and Cable Assembly System  
**Description:** Impact™ 100 Ohm 3 Pair Right Angle Daughtercard Receptacle, Right Guided, 6 Columns, 54 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-76060-990-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a>  | <a href="#">Packaging Specification PK-70873-591 (PDF)</a>        |
| <a href="#">Product Specification TS-76170-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

**Agency Certification**

UL E29179

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | Backplane Connectors  |
| Series                        | <a href="#">76170</a>   |
| Application                   | Conventional, Coplanar, Daughtercard                                  |
| Application Tooling Documents | TM-622018799  |
| Component Type                | PCB Receptacle  |
| Electrical Model              | Yes   |
| Overview                      | <a href="#">Impact™ Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact™   |
| UPC                           | 887191007625  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 54                             |
| Circuits (maximum)             | 54                             |
| 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          | None                           |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 7.353/g                        |
| Number of Columns              | 6                              |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 1.20mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| 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               | Yes                            |
| Stackable                      | No                             |
| Temperature Range - Operating  | -55°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**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  |
| 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

**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-76170-004                        |
| Symbol/Footprint Data     | SYM-76170-5006                      |

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