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**Part Number:** [0765605608](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 6 Pair RAM Right-Angle Header, Right Guided, Open Endwall, 16 Columns, 288 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

|                                                                  |                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------|
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-70873-777-001 (PDF)</a>    |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |
| <a href="#">Application Specification AS-76060-990-001 (PDF)</a> |                                                                   |

**Agency Certification**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                 |
| Series                        | <a href="#">76560</a>                                                |
| Application                   | Coplanar                                                             |
| Application Tooling Documents | TM-622018799                                                         |
| Component Type                | PCB Header                                                           |
| Electrical Model              | Yes                                                                  |
| Overview                      | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact                                                               |
| UPC                           | 887191308593                                                         |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 288                            |
| Circuits (maximum)             | 288                            |
| 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                     | 44.751/g                       |
| Number of Columns              | 16                             |
| Number of Pairs                | 6                              |
| Number of Rows                 | 18                             |
| 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                        |
| Stackable                      | No                             |
| Temperature Range - Operating  | -55° to +85°C                  |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

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

**Search Parts in this Series**

[76560](#) Series

**Mates With**

[76150](#) Impact 100 Ohm Daughtercard

**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 #                 |
|-----------------------------------------|---------------------------|
| Daughter Card                           | <a href="#">622018663</a> |
| Signal Module                           |                           |
| Assembly Press-In                       |                           |
| Tool for 6-Pair by 16-Column Assemblies |                           |
| Impact Right-Angle Module Removal       | <a href="#">622024350</a> |
| Tool (RAM)                              |                           |

**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-76560-0001                       |
| Packaging Specification   | PK-70873-777-001                    |
| Product Specification     | PS-76060-999-001                    |
| S-Parameter Model         | SP-76560-0001, SP-76560-002         |
| Sales Drawing             | SD-76560-9004                       |
| Symbol/Footprint Data     | SYM-76560-5607                      |

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