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**Part Number:** [0761551805](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Open Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free

**Documents:**  
[3D Model](#) [Application Specification AS-76060-9999-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification PK-70873-7701-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Test Summary TS-76160-0001-001 \(PDF\)](#)  
[Product Specification PS-76060-999-001 \(PDF\)](#) [Symbol Footprint Data SYM-76155-1805-001 \(PDF\)](#)  
[Application Specification AS-76060-990-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-76060-994-001 \(PDF\)](#)

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                      |
| UL                             | E29179                                                               |
| <b>General</b>                 |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | <a href="#">76155</a>                                                |
| Application                    | Conventional                                                         |
| Application Tooling Documents  | TM-622018799-001                                                     |
| Component Type                 | PCB Header                                                           |
| Overview                       | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                   | Impact                                                               |
| UPC                            | 883906416478                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 96                                                                   |
| Circuits (maximum)             | 96                                                                   |
| 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                     | 2.115/g                                                              |
| Number of Columns              | 8                                                                    |
| Number of Pairs                | 4                                                                    |
| Number of Rows                 | 12                                                                   |
| Orientation                    | Vertical                                                             |
| PC Tail Length                 | 1.40mm                                                               |
| 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                                                                   |



Series image - Reference only

|                                                                                                                                                                                                                                                  |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                             |                                                                                               |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                  | Green Image<br>Not Relevant<br>Not Contained                                                  |

- Search Parts in this Series**  
[76155](#) Series
- Mates With**  
[76160](#) Impact 100 Ohm Daughtercard
- Use With**  
[75234](#) Backplane Free Standing Guide Pin

|                               |                              |
|-------------------------------|------------------------------|
| Temperature Range - Operating | -55° to +85°C                |
| Termination Interface: Style  | Through Hole - Compliant Pin |

**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-76060-994-001,<br>AS-76060-9999-001 |
| Packaging Specification   | PK-70873-7701-001                                        |
| Product Specification     | PS-76060-999-001                                         |
| Sales Drawing             | SD-76155-001-001                                         |
| Symbol/Footprint Data     | SYM-76155-1805-001                                       |
| Test Summary              | TS-76160-0001-001                                        |

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