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**Part Number:** [0760553107](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 5 Pair Vertical Backplane Header, Left Guided, Open Endwall, 10 Columns, 150 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**  
[3D Model](#) [Application Specification AS-76060-9999-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Packaging Specification PK-70873-759-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Symbol Footprint Data SYM-76055-3107-001 \(PDF\)](#)  
[Product Specification PS-76060-999-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-76060-990-001 \(PDF\)](#)

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                      |
| UL                             | E29179                                                               |
| <b>General</b>                 |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | <a href="#">76055</a>                                                |
| Application                    | Conventional, Mezzanine                                              |
| 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                            | 883906414016                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 150                                                                  |
| Circuits (maximum)             | 150                                                                  |
| 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                     | 6.419/g                                                              |
| Number of Columns              | 10                                                                   |
| Number of Pairs                | 5                                                                    |
| Number of Rows                 | 15                                                                   |
| Orientation                    | Vertical                                                             |
| PC Tail Length                 | 1.40mm                                                               |
| 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° to +85°C                                                        |



Series image - Reference only

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

**Search Parts in this Series**  
[76055](#) Series

**Mates With**  
[76060](#) Impact 100 Ohm Daughtercard

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin        |
| <b>Electrical</b>                  |                                     |
| 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                     |
| <b>Solder Process Data</b>         |                                     |
| Lead-freeProcess Capability        | N/A                                 |
| <b>Material Info</b>               |                                     |
| <b>Reference - Drawing Numbers</b> |                                     |
| Application Specification          | AS-76060-990-001, AS-76060-9999-001 |
| Packaging Specification            | PK-70873-759-001                    |
| Product Specification              | PS-76060-999-001                    |
| Sales Drawing                      | SD-76055-002-001                    |
| Symbol/Footprint Data              | SYM-76055-3107-001                  |

This document was generated on 09/27/2021

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