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**Part Number:** [0761651617](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 3 Pair Vertical Backplane Header, Unguided, Left Endwall, 16 Columns, 144 Circuits, Pin Length 4.90mm, 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-70873-7700-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Symbol Footprint Data SYM-76165-1617-001 (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**

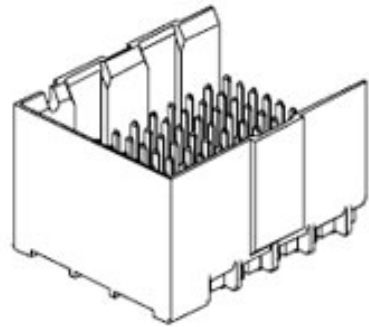
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|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                 |
| Series                        | <a href="#">76165</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                           | 883906226022                                                         |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 144                            |
| Circuits (maximum)             | 144                            |
| 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                     | 5.429/g                        |
| Number of Columns              | 16                             |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| 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                             |
| Temperature Range - Operating  | -55° to +85°C                  |



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[76165](#) Series

**Mates With**

[76170](#) Impact 100 Ohm Daughtercard

**Use With**

[75234](#) Backplane Free Standing Guide Pin

|                                    |                                     |
|------------------------------------|-------------------------------------|
| 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>Material Info</b>               |                                     |
| <b>Reference - Drawing Numbers</b> |                                     |
| Application Specification          | AS-76060-990-001, AS-76060-9999-001 |
| Packaging Specification            | PK-70873-7700-001                   |
| Product Specification              | PS-76060-999-001                    |
| Sales Drawing                      | SD-76165-001-001                    |
| Symbol/Footprint Data              | SYM-76165-1617-001                  |

This document was generated on 09/21/2021

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