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**Part Number:** [0761551827](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connector and Cable Assembly System](#)  
**Description:** Impact™ 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Dual Endwall, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**  
[3D Model](#) [Application Specification AS-76060-990 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Application Specification AS-76060-994 \(PDF\)](#)  
[Product Specification PS-76060-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                                |                                                                       |
|--------------------------------|-----------------------------------------------------------------------|
| <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                                                          |
| Component Type                 | PCB Header                                                            |
| Overview                       | <a href="#">Impact™ Backplane Connector and Cable Assembly System</a> |
| Product Name                   | Impact™                                                               |
| UPC                            | 883906416751                                                          |
| <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                     | 2.787/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                                                                    |
| Temperature Range - Operating  | -55°C to +85°C                                                        |
| Termination Interface: Style   | Through Hole - Compliant Pin                                          |

**Electrical**



Series image - Reference only

**EU ELV**  
**Not Relevant**

**EU RoHS** **China RoHS**  
**Compliant**  
**REACH SVHC**  
Contains SVHC(2014 December 17): No  
**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

**Search Parts in this Series**  
[76155](#) Series

**Mates With**  
[76160](#) Impact™ 100 Ohm Daughtercard

**Use With**  
[75234](#) Backplane Free Standing Guide Pin

|                                                                                                                                                                                                                            |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Application Tooling   FAQ</b><br><i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i> |                            |
| <b>Global</b>                                                                                                                                                                                                              |                            |
| <b>Description</b>                                                                                                                                                                                                         | <b>Product #</b>           |
| Backplane Insertion Tool for Signal Contact                                                                                                                                                                                | <a href="#">0621005800</a> |
| Press-In Tool for Backplane Module                                                                                                                                                                                         | <a href="#">0622018676</a> |

|                                    |                            |                                                                                                  |
|------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------|
| Current - Maximum per Contact      | 0.75A                      | Backplane Header <u>0621009610</u><br>Removal Tool for<br>GbX-U™, I-Trac™,<br>Impact™, or TinMan |
| Data Rate                          | 25.0 Gbps                  |                                                                                                  |
| Impedance                          | 100#                       |                                                                                                  |
| 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, AS-76060-994 |                                                                                                  |
| Electrical Model Document          | EE-76160-0001              |                                                                                                  |
| Product Specification              | PS-76060-999               |                                                                                                  |
| Sales Drawing                      | SD-76155-001               |                                                                                                  |
| Symbol/Footprint Data              | SYM-76155-1827             |                                                                                                  |

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