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**Part Number:** [0761451605](#)

**Status:** **Active**

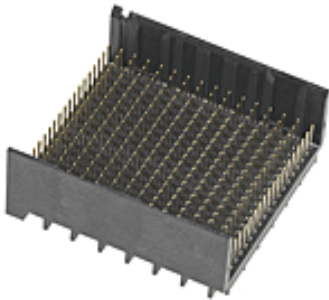
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)

**Description:** Impact™ 100 Ohm 6 Pair Vertical Backplane Header, Unguided, Open Endwall, 16 Columns, 288 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free

**Documents:**

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

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                   |
| UL                             | E29179                                                            |
| <b>General</b>                 |                                                                   |
| Product Family                 | Backplane Connectors                                              |
| Series                         | <a href="#">76145</a>                                             |
| Application                    | Conventional                                                      |
| Application Tooling Documents  | TM-622018799                                                      |
| Component Type                 | PCB Header                                                        |
| Overview                       | <a href="#">Impact™ Backplane Connectors and Cable Assemblies</a> |
| Product Name                   | Impact™                                                           |
| UPC                            | 883906402853                                                      |
| <b>Physical</b>                |                                                                   |
| 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           | 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                     | 5.523/g                                                           |
| Number of Columns              | 16                                                                |
| Number of Pairs                | 6                                                                 |
| Number of Rows                 | 18                                                                |
| 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                                      |
| <b>Electrical</b>              |                                                                   |
| Current - Maximum per Contact  | 0.75A                                                             |



Series image - Reference only

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

|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Contains SVHC(2014 December 17): No<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br><b>Need more information on product environmental compliance?</b><br><br>Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. | <b>China RoHS</b><br><br><br><br><br><br><br><br>China ROHS<br>ELV |
|                                                                                                                                                                                                                                                                                                                                                                                                                              | Green Image<br>Not Relevant                                        |

**Search Parts in this Series**  
[76145](#) Series

**Mates With**  
[76150](#) 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> |
| Backplane Header Removal Tool for                                                                                                                                                                                          | <a href="#">0621009610</a> |

|                                    |                              |                                              |
|------------------------------------|------------------------------|----------------------------------------------|
| Data Rate                          | 25.0 Gbps                    | GbX-U™, I-Trac™,                             |
| Impedance                          | 100#                         | Impact™, or TinMan                           |
| Shield Type                        | N/A                          | Press-in-Tool for <a href="#">0622018664</a> |
| Shielded                           | No                           | Daughter Card                                |
| Voltage - Maximum                  | 30V AC (RMS)/DC              | Signal Module, 6-                            |
| <b>Material Info</b>               |                              | Pair by 16-Column                            |
|                                    |                              | Assemblies                                   |
| <b>Reference - Drawing Numbers</b> |                              | Impact™ Backplane <a href="#">0622018874</a> |
| Application Specification          | AS-76060-990                 | Press-In Tool                                |
| Product Specification              | PS-76060-999                 |                                              |
| Sales Drawing                      | SD-172375-0001, SD-76145-001 |                                              |
| Symbol/Footprint Data              | SYM-76145-1605               |                                              |

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