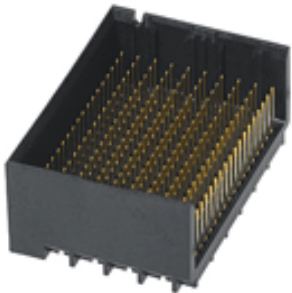


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**Part Number:** [0761451114](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact™ 100 Ohm 6 Pair Vertical Backplane Header, Unguided, Left Endwall, 10 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm, Lead-Free

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

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| <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                            | 883906407650                                                      |
| <b>Physical</b>                |                                                                   |
| Circuits (Loaded)              | 180                                                               |
| Circuits (maximum)             | 180                                                               |
| 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                     | 3.995/g                                                           |
| Number of Columns              | 10                                                                |
| 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**

**EU RoHS**  
**Compliant**

**China RoHS**  
**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  
ELV

Green Image  
Not Relevant

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

**Mates With**  
[76150](#) Impact™ 100 Ohm Daughtercard

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

**Application Tooling | FAQ**  
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                                      | Product #                  |
|--------------------------------------------------|----------------------------|
| Backplane Signal                                 | <a href="#">0622018662</a> |
| Module Assembly                                  |                            |
| Press-In Tool for 6-Pair by 10-Column Assemblies |                            |

|                                    |                              |                     |                   |
|------------------------------------|------------------------------|---------------------|-------------------|
| Data Rate                          | 25.0 Gbps                    | Backplane Insertion | <u>0621005800</u> |
| Impedance                          | 100#                         | Tool for Signal     |                   |
| Shield Type                        | N/A                          | Contact             |                   |
| Shielded                           | No                           | Backplane Header    | <u>0621009610</u> |
| Voltage - Maximum                  | 30V AC (RMS)/DC              | Removal Tool for    |                   |
| <b>Material Info</b>               |                              | GbX-U™, I-Trac™,    |                   |
|                                    |                              | Impact™, or TinMan  |                   |
| <b>Reference - Drawing Numbers</b> |                              |                     |                   |
| Application Specification          | AS-76060-990                 |                     |                   |
| Product Specification              | PS-76060-999                 |                     |                   |
| Sales Drawing                      | SD-172375-0001, SD-76145-001 |                     |                   |
| Symbol/Footprint Data              | SYM-76145-1114               |                     |                   |

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