

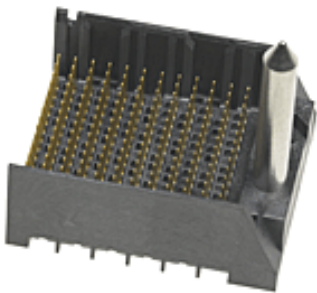
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**Part Number:** [0760555207](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** [Impact™ 100 Ohm 5 Pair Vertical Backplane Header, Right Guided, Open Endwall, 12 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free](#)

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

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <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                                                      |
| Component Type                | PCB Header                                                        |
| Overview                      | <a href="#">Impact™ Backplane Connectors and Cable Assemblies</a> |
| Product Name                  | Impact™                                                           |
| UPC                           | 883906855031                                                      |

|                                |                                |
|--------------------------------|--------------------------------|
| <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           | 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                     | 7.076/g                        |
| Number of Columns              | 12                             |
| 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°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



Series image - Reference only

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

**EU RoHS**  
**Compliant**  
**REACH SVHC**  
Not Contained Per  
-ED/79/2015 (17  
December 2015)  
**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**  
[76055](#) Series

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

|                                                                                                                                                                                                                            |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <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>           |
| Press-In Tool for Backplane Signal Module, 5-Pair by 12-Column                                                                                                                                                             | <a href="#">0622018708</a> |
| Backplane Header Removal Tool for GbX® U-Series, GbX                                                                                                                                                                       | <a href="#">0621009610</a> |

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.75A           |
| Data Rate                     | 25.0 Gbps       |
| Impedance                     | 100#            |
| Shield Type                   | N/A             |
| Shielded                      | No              |
| Voltage - Maximum             | 30V AC (RMS)/DC |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                             |
|---------------------------|-----------------------------|
| Application Specification | AS-76060-990, AS-76060-9999 |
| Packaging Specification   | PK-70873-759                |
| Product Specification     | PS-76060-999                |
| Sales Drawing             | SD-76055-003                |
| Symbol/Footprint Data     | SYM-76055-5207              |

I-Trac™, Impact™,  
or Z-PACK Tinman\*  
Impact™ Backplane [0622018872](#)  
Press-In Tool

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