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**Part Number:** [0768605036](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connector and Cable Assembly System](#)  
**Description:** [Impact™ 100 Ohm 3 Pair Right Angle Orthogonal Daughtercard, Right Guide, 6 Columns, 54 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free](#)

**Documents:**

|                                                               |                                                              |
|---------------------------------------------------------------|--------------------------------------------------------------|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-76850-990 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification PK-70873-591 (PDF)</a>   |
| <a href="#">Product Specification PS-76060-999 (PDF)</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Application Specification AS-76060-9999 (PDF)</a> |                                                              |

**Agency Certification**

UL E29179

**General**

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                  |
| Series                        | <a href="#">76860</a>                                                 |
| Application                   | Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane      |
| Application Tooling Documents | TM-622018799                                                          |
| Component Type                | PCB Receptacle                                                        |
| Overview                      | <a href="#">Impact™ Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact™                                                               |
| UPC                           | 884982186187                                                          |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 54                             |
| Circuits (maximum)             | 54                             |
| 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                     | 7.402/g                        |
| Number of Columns              | 6                              |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 1.20mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.00mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 1.90mm, 2.15mm                 |
| Pitch - Termination Interface  | 1.90mm, 2.15mm                 |
| Plating min - Mating           | 0.762µm                        |
| Polarized to PCB               | Yes                            |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -55°C to +85°C                 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**China 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**

[76860](#) Series

**Mates With**

[76855](#) Impact™ 100 Ohm Backplane  
Header

**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 #                  |
|----------------------|----------------------------|
| Impact Daughter      | <a href="#">0622024300</a> |
| Card Extraction Tool |                            |
| Impact™ Daughter     | <a href="#">0622024600</a> |
| Card Module          |                            |
| Removal Tool         |                            |
| Press-In Tool for    | <a href="#">0622018744</a> |
| Daughter Card        |                            |

|                                    |                              |
|------------------------------------|------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| 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              |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| Application Specification          | AS-76060-9999, AS-76850-990  |
| Electrical Model Document          | EE-76860-049, EE-76860-055   |
| Packaging Specification            | PK-70873-591                 |
| Product Specification              | PS-76060-999                 |
| S-Parameter Model                  | SP-76860-049, SP-76860-055   |
| Sales Drawing                      | SD-76860-004                 |
| Symbol/Footprint Data              | SYM-76860-5036               |

This document was generated on 06/09/2016

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