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**Part Number:** [76500-1817](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 100 Ohm 4 Pair RAM Right Angle Header, 1.90 by 1.35mm Pitch, Unguided, Left Endwall, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-76060-990 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Application Specification AS-76060-994 (PDF)</a> |
| <a href="#">Product Specification PS-76060-999 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

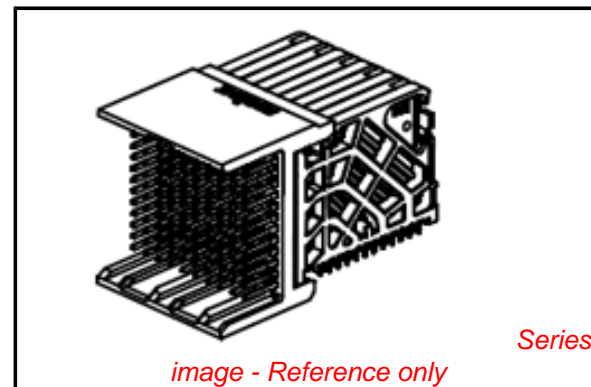


image - Reference only

**Agency Certification**

UL E29179

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | Backplane Connectors  |
| Series                        | <a href="#">76500</a>   |
| Application                   | Coplanar  |
| Application Tooling Documents | TM-622018799  |
| Component Type                | PCB Header  |
| Overview                      | <a href="#">Impact™ Backplane Connectors and Cable Assemblies</a> |
| Product Name                  | Impact™   |
| Style                         | N/A   |
| UPC                           | 884982022577  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| 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                     | 9.290/g                        |
| Number of Columns              | 8                              |
| Number of Pairs                | 4                              |
| Number of Rows                 | 12                             |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 1.20mm                         |
| 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               | No                             |
| Stackable                      | Yes                            |
| Temperature Range - Operating  | -55°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Low-Halogen Status  
Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[76500Series](#)

**Mates With**

[76160 Impact™ 100 Ohm Daughtercard](#)

**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 #                  |
|--|----------------------------|
| Press-In Tool for Daughter Card Module | <a href="#">0622018677</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 |

**Material Info****Reference - Drawing Numbers**

|                           |                            |
|---------------------------|----------------------------|
| Application Specification | AS-76060-990, AS-76060-994 |
| Product Specification     | PS-76060-999               |
| Sales Drawing             | SD-76500-001               |
| Symbol/Footprint Data     | SYM-76500-1817             |

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