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Part Number:

0765005608

Status:

Active

Overview:

Impact Backplane Connector and Cable Assembly System

Description:

Impact 100 Ohm 4 Pair RAM Right-Angle Header, Right Guided, Open Endwall, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free

|                                                                  |                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------|
| Documents:                                                       |                                                                   |
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification AS-76060-994-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a>     | <a href="#">Packaging Specification PK-70873-041-001 (PDF)</a>    |
| <a href="#">Application Specification AS-76060-990-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Agency Certification           |                                                      |
| UL                             | E29179                                               |
| General                        |                                                      |
| Product Family                 | Backplane Connectors                                 |
| Series                         | 76500                                                |
| Application                    | Coplanar                                             |
| Application Tooling Documents  | TM-622018799                                         |
| Component Type                 | PCB Header                                           |
| Overview                       | Impact Backplane Connector and Cable Assembly System |
| Product Name                   | Impact                                               |
| UPC                            | 884982577602                                         |
| Physical                       |                                                      |
| Circuits (Loaded)              | 192                                                  |
| Circuits (maximum)             | 192                                                  |
| 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                     | 24.131/g                                             |
| Number of Columns              | 16                                                   |
| 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               | Yes                                                  |
| Stackable                      | No                                                   |
| Temperature Range - Operating  | -55° to +85°C                                        |
| Termination Interface: Style   | Through Hole - Compliant Pin                         |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

76500 Series

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 # |
| Daughter Card       | 622018645 |
| Module Installation |           |
| Press-In Tool       |           |
| Impact Right-Angle  | 622024350 |
| Module Removal      |           |
| Tool (RAM)          |           |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| Application Specification | AS-76060-990-001, AS-76060-994-001,<br>AS-76060-9999-001 |
| Electrical Model Document | EE-76500-002                                             |
| Packaging Specification   | PK-70873-041-001                                         |
| Product Specification     | PS-76060-999-001                                         |
| S-Parameter Model         | SP-76500-002                                             |
| Sales Drawing             | SD-76500-004                                             |
| Symbol/Footprint Data     | SYM-76500-5608                                           |

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