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Part Number:

0769857108

Status:

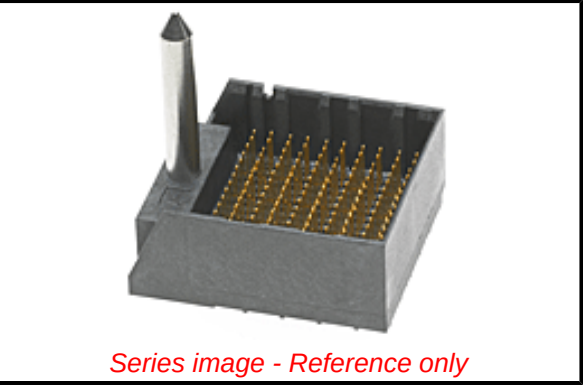
Active

Overview:

Impact™ Backplane Connector and Cable Assembly System

Description:

Impact™ 100 Ohm 5 Pair Vertical Orthogonal Header Left Guide, Right Endwall, 10 Columns, 150 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free



Series image - Reference only

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

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Agency Certification           |                                                       |
| UL                             | E29179                                                |
| General                        |                                                       |
| Product Family                 | Backplane Connectors                                  |
| Series                         | 76985                                                 |
| Application                    | Orthogonal Midplane                                   |
| Application Tooling Documents  | TM-622018799                                          |
| Component Type                 | PCB Header                                            |
| Overview                       | Impact™ Backplane Connector and Cable Assembly System |
| Product Name                   | Impact™                                               |
| UPC                            | 884982485587                                          |
| Physical                       |                                                       |
| Circuits (Loaded)              | 150                                                   |
| Circuits (maximum)             | 150                                                   |
| 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                     | 7.314/g                                               |
| Number of Columns              | 10                                                    |
| Number of Pairs                | 5                                                     |
| Number of Rows                 | 15                                                    |
| Orientation                    | Vertical                                              |
| PC Tail Length                 | 1.40mm                                                |
| PCB Locator                    | No                                                    |
| PCB Retention                  | None                                                  |
| PCB Thickness - Recommended    | 3.00mm                                                |
| 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                                                    |
| Temperature Range - Operating  | -55°C to +85°C                                        |
| Termination Interface: Style   | Through Hole - Compliant Pin                          |

|                                                                                               |              |
|-----------------------------------------------------------------------------------------------|--------------|
| 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 <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a>            |              |
| Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. |              |
| China ROHS                                                                                    | Green Image  |
| ELV                                                                                           | Not Relevant |

Search Parts in this Series

76985 Series

Mates With

76990 Impact™ 100 Ohm Right Angle Orthogonal 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 #  |
| Impact™ Backplane Press-In Tool                                                                                                                                                 | 0622030580 |
| Impact™ Ortho Backplane Removal Tool                                                                                                                                            | 0621009620 |

**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-76060-9999, AS-76850-990  |
| Product Specification     | PS-76060-999                 |
| Sales Drawing             | SD-171884-0002, SD-76985-002 |
| Symbol/Footprint Data     | SYM-76985-7108               |

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