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Part Number:

0768501008

Status:

Active

Overview:

Impact Backplane Connector and Cable Assembly System

Description:

Impact 100 Ohm 4 Pair Right-Angle Orthogonal Daughtercard, Unguided, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free

|                                                                   |                                                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                        |                                                                  |
| <a href="#">3D Model</a>                                          | <a href="#">Application Specification AS-76850-990-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">Packaging Specification PK-70873-610-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                                    | <a href="#">Symbol Footprint Data SYM-76850-1008-001 (PDF)</a>   |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |                                                                  |

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Agency Certification           |                                                                  |
| UL                             | E29179                                                           |
| General                        |                                                                  |
| Product Family                 | Backplane Connectors                                             |
| Series                         | 76850                                                            |
| Application                    | Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane |
| Application Tooling Documents  | TM-622018799-001                                                 |
| Component Type                 | PCB Receptacle                                                   |
| Electrical Model               | Yes                                                              |
| Overview                       | Impact Backplane Connector and Cable Assembly System             |
| Product Name                   | Impact                                                           |
| UPC                            | 884982297753                                                     |
| 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                     | 9.586/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                  | 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               | No                                                               |
| Stackable                      | No                                                               |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| 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

76850 Series

Mates With

76845 Impact 100 Ohm Backplane Header

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Surface Mount Compatible (SMC)     | No                                  |
| Temperature Range - Operating      | -55° to +85°C                       |
| Termination Interface: Style       | Through Hole - Compliant Pin        |
| <b>Electrical</b>                  |                                     |
| 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                     |
| <b>Material Info</b>               |                                     |
| <b>Reference - Drawing Numbers</b> |                                     |
| Application Specification          | AS-76060-9999-001, AS-76850-990-001 |
| Electrical Model Document          | EE-76850-049-001, EE-76850-055-001  |
| Packaging Specification            | PK-70873-610-001                    |
| Product Specification              | PS-76060-999-001                    |
| S-Parameter Model                  | SP-76850-049-001, SP-76850-055-001  |
| Sales Drawing                      | SD-76850-001-001                    |
| Symbol/Footprint Data              | SYM-76850-1008-001                  |

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