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**Part Number:** [0739447001](#)  
**Status:** **Active**  
**Overview:** [HDM Backplane Connector System](#)  
**Description:** HDM Board-to-Board Backplane Header, Vertical, SMC, Solder Tail, Guide Pin Option, Guide Post Location A, Polarizing Key Position A, 144 Circuits

**Documents:**

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-73670-9999-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-70873-0818-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

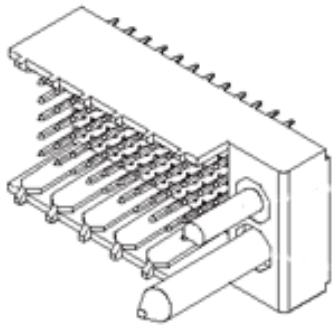
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                |
|----------------|------------------------------------------------|
| Product Family | Backplane Connectors                           |
| Series         | <a href="#">73944</a>                          |
| Application    | Backplane                                      |
| Component Type | PCB Header                                     |
| Overview       | <a href="#">HDM Backplane Connector System</a> |
| Product Name   | HDM                                            |
| UPC            | 800753004306                                   |

**Physical**

|                                |                                  |
|--------------------------------|----------------------------------|
| Circuits (Loaded)              | 144                              |
| Circuits (maximum)             | 144                              |
| Color - Resin                  | Black, Natural                   |
| Durability (mating cycles max) | 250                              |
| First Mate / Last Break        | No                               |
| Flammability                   | 94V-0                            |
| Guide to Mating Part           | Yes                              |
| Keying to Mating Part          | Yes                              |
| Material - Metal               | Phosphor Bronze, Stainless Steel |
| Material - Plating Mating      | Gold                             |
| Material - Plating Termination | Tin                              |
| Material - Resin               | High Temperature Thermoplastic   |
| Net Weight                     | 9.297/g                          |
| Number of Columns              | 24                               |
| Number of Pairs                | Open Pin Field                   |
| Number of Rows                 | 6                                |
| Orientation                    | Vertical                         |
| PC Tail Length                 | 3.50mm                           |
| PCB Locator                    | Yes                              |
| PCB Retention                  | None                             |
| PCB Thickness - Recommended    | 2.50mm                           |
| Packaging Type                 | Tube                             |
| Pitch - Mating Interface       | 2.00mm                           |
| Pitch - Termination Interface  | 2.00mm                           |
| Plating min - Mating           | 0.762µm                          |
| Plating min - Termination      | 2.540µm                          |
| Polarized to PCB               | No                               |
| Stackable                      | No                               |
| Surface Mount Compatible (SMC) | No                               |
| Temperature Range - Operating  | -55° to +105°C                   |
| Termination Interface: Style   | Through Hole                     |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[73944](#) Series

**Mates With**

[73632](#) HDM+ Board-to-Board Daughtercard Receptacle. [73780](#) HDM Board-to-Board Daughtercard Receptacle

**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**

Extraction Tool

**Product #**

[621001000](#)

**Electrical**

|                               |          |
|-------------------------------|----------|
| Current - Maximum per Contact | 1.0A     |
| Data Rate                     | 1.0 Gbps |
| Shielded                      | No       |
| Voltage - Maximum             | 250V AC  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                                    |
|-------------------------|------------------------------------|
| Packaging Specification | PK-70873-0818-001                  |
| Product Specification   | PS-73670-9999-001                  |
| Sales Drawing           | SD-73944-001-001, SD-73944-001-002 |

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