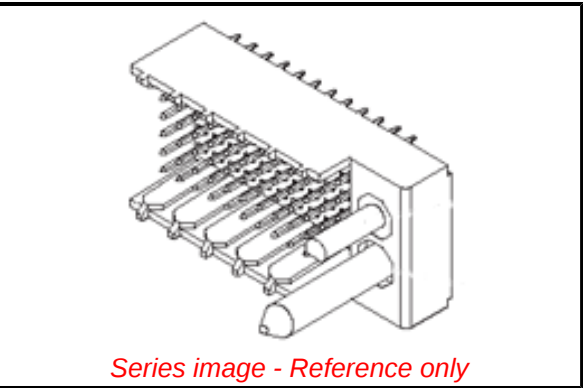


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**Part Number:** [0739444003](#)  
**Status:** **Active**  
**Overview:** [HDM Backplane Connector System](#)  
**Description:** HDM Board-to-Board Backplane Header, Vertical, SMC, Solder Tail, Guide Pin Option, Guide Post Location A, Polarizing Key Position B, 72 Circuits



**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-73670-9999 \(PDF\)](#)  
[Packaging Specification PK-70873-0818 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                |                                                |
|--------------------------------|------------------------------------------------|
| <b>Agency Certification</b>    |                                                |
| CSA                            | LR19980                                        |
| UL                             | E29179                                         |
| <b>General</b>                 |                                                |
| 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                            | 800755950984                                   |
| <b>Physical</b>                |                                                |
| Circuits (Loaded)              | 72                                             |
| Circuits (maximum)             | 72                                             |
| 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                 |
| Number of Columns              | 12                                             |
| Number of Pairs                | Open Pin Field                                 |
| Number of Rows                 | 6                                              |
| Orientation                    | Vertical                                       |
| PC Tail Length                 | 3.00mm                                         |
| PCB Locator                    | No                                             |
| 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                      | Yes                                            |
| Surface Mount Compatible (SMC) | Yes                                            |
| Temperature Range - Operating  | -55° to +105°C                                 |
| Termination Interface: Style   | Through Hole                                   |
| <b>Electrical</b>              |                                                |

|                                                                                                                                                                                                                |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>EU ELV</b><br><b>Not Reviewed</b>                                                                                                                                                                           |                   |
| <b>EU RoHS</b><br><b>Not Reviewed</b><br><b>REACH SVHC</b><br>Not Reviewed<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Reviewed</b><br><b>Need more information on product environmental compliance?</b> | <b>China RoHS</b> |
| Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions.                            |                   |
| China ROHS                                                                                                                                                                                                     | Not Reviewed      |
| ELV                                                                                                                                                                                                            | Not Reviewed      |
| RoHS Phthalates                                                                                                                                                                                                | Not Reviewed      |

**Search Parts in this Series**  
[73944](#) Series

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

|                               |          |
|-------------------------------|----------|
| Current - Maximum per Contact | 1.0A     |
| Data Rate                     | 1.0 Gbps |
| Real Signals (per 25mm)       | 75       |
| Shielded                      | No       |
| Voltage - Maximum             | 250V AC  |

**Material Info**

**Reference - Drawing Numbers**

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

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