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**Part Number:** [0736442216](#)  
**Status:** **Active**  
**Overview:** [HDM Backplane Connector System](#)  
**Description:** HDM Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location B, Polarizing Key Position N/A, 72 Circuits, Mating Length 6.00mm

**Documents:**

|                                                             |                                                      |
|-------------------------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                                    | <a href="#">Test Summary TS-73670-990-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                               | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification PK-70873-0818 (PDF)</a> |                                                      |

**Agency Certification**

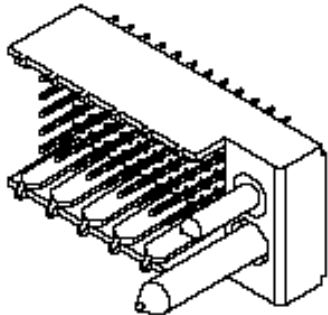
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                                          |
|----------------|--------------------------------------------------------------------------|
| Product Family | Backplane Connectors                                                     |
| Series         | <a href="#">73644</a>                                                    |
| Application    | Backplane                                                                |
| Comments       | Standard Press-Fit, Tin/Lead (SnPb), Standard Press-Fit, Tin/Lead (SnPb) |
| Component Type | PCB Header                                                               |
| Overview       | <a href="#">HDM Backplane Connector System</a>                           |
| Product Name   | HDM                                                                      |
| UPC            | 800753193918                                                             |

**Physical**

|                                |                                  |
|--------------------------------|----------------------------------|
| 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          | None                             |
| 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                 | 3.50mm                           |
| PCB Locator                    | No                               |
| PCB Retention                  | Yes                              |
| 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      | 0.381µm                          |
| Polarized to PCB               | No                               |
| Stackable                      | Yes                              |
| Surface Mount Compatible (SMC) | Yes                              |
| Temperature Range - Operating  | -55° to +105°C                   |
| Termination Interface: Style   | Through Hole - Compliant Pin     |



Series image - Reference only

**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

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

|                 |              |
|-----------------|--------------|
| China ROHS      | Not Reviewed |
| ELV             | Not Reviewed |
| RoHS Phthalates | Not Reviewed |

**Search Parts in this Series**

[73644](#) 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                         | Product #                 |
|-------------------------------------|---------------------------|
| Extraction Tool                     | <a href="#">621001000</a> |
| Backplane Insertion                 | <a href="#">621001400</a> |
| Signal Contact Tool                 |                           |
| Backplane Signal                    | <a href="#">622008502</a> |
| Insertion Module                    |                           |
| Press-In Tool for 2.00mm Pitch HDM* |                           |
| Board-to-Board Backplane Header     |                           |

**Electrical**

|                               |          |
|-------------------------------|----------|
| 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    |
| Sales Drawing           | SDA-73644-XXXX   |
| Test Summary            | TS-73670-990-001 |

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