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Part Number: [73944-4001](#)
Status: **Active**
Overview: [HDM® Backplane Connector System](#)
Description: HDM® Board-to-Board Backplane Header, Vertical, SMC, Solder Tail, Guide Pin Option, 72 Circuits

Documents:

[3D Model](#) [Product Specification PS-73670-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Backplane Connectors
 Series [73944](#)
 Application Backplane
 Component Type PCB Header
 Overview [HDM® Backplane Connector System](#)
 Product Name HDM®
 UPC 800755950953

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 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°C to +105°C
 Termination Interface: Style Through Hole

Electrical

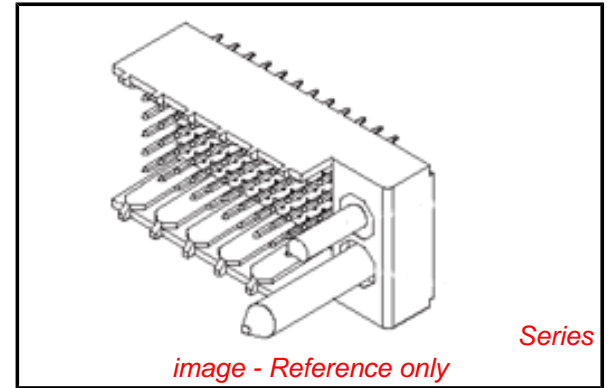


image - Reference only

EU RoHS

**ELV and RoHS
 Compliant**
**REACH SVHC
 Not Reviewed**
**Low-Halogen Status
 Not Reviewed**

China RoHS



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 environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[73944Series](#)

Mates With

73632 HDM PLUS® 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 | 0621001000 |
| Backplane Insertion | 0621001400 |
| Signal Contact Tool | |

| | |
|-------------------------------|----------|
| 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

| | |
|-----------------------|---------------|
| Product Specification | PS-73670-9999 |
| Sales Drawing | SD-73944-001 |

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