

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [73642-0000](#)  
**Status:** **Active**  
**Overview:** HDM®  
**Description:** 2.00mm Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, Open End, 72 Circuits

**Documents:**

[3D Model](#) [Test Summary TS-73670-990 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-73670-9999 \(PDF\)](#)

**Agency Certification**

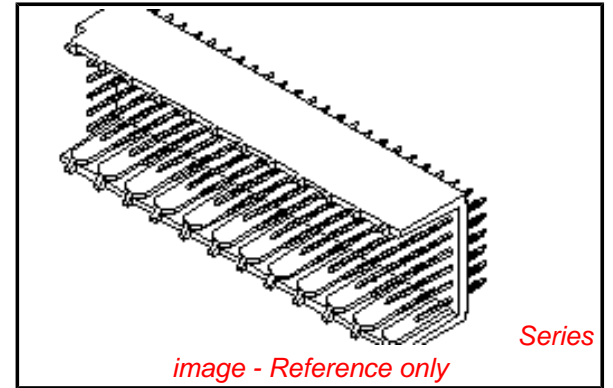
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [73642](#)  
 Application Backplane  
 Comments Standard Press-Fit  
 Component Type PCB Header  
 Overview [HDM®](#)  
 Product Name HDM®  
 Style N/A  
 UPC 800754345057

**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 No  
 Keying to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Gold  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 3.371/g  
 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 1.60mm  
 Packaging Type Tube  
 Pitch - Mating Interface 2.00mm  
 Pitch - Termination Interface 2.00mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 0.051µm  
 Polarized to PCB No  
 Stackable Yes  
 Surface Mount Compatible (SMC) Yes



**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

**Contains SVHC: No  
 Low-Halogen Status  
 Low-Halogen**

**China RoHS**



**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[73642Series](#)

**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	<a href="#">0621001000</a>
Backplane Insertion	<a href="#">0621001400</a>
Signal Contact Tool	
Removal Tool	<a href="#">0621007600</a>
Flat Rock Tooling for	<a href="#">0622013700</a>
Pneumatic Press	

Temperature Range - Operating -55°C to +105°C  
Termination Interface: Style Through Hole - Compliant Pin

### **Electrical**

Current - Maximum per Contact 1A  
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 SDA-73642-\*\*\*\*  
Test Summary TS-73670-990

HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 10/04/2012

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**