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**Part Number:** [73643-3000](#)  
**Status:** **Active**  
**Overview:** HDM®  
**Description:** 2.00mm Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, Closed End, 144 Circuits

**Documents:**

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

**Agency Certification**

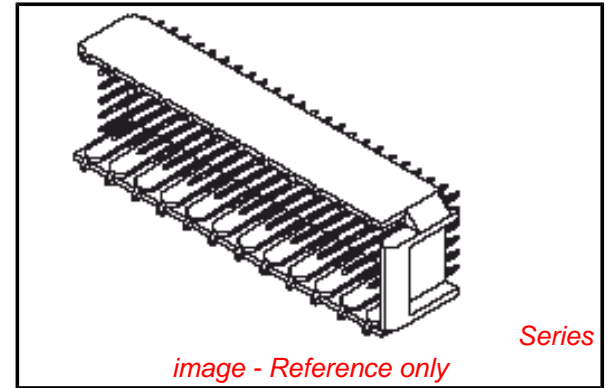
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [73643](#)  
 Application Backplane  
 Comments Standard Press-Fit  
 Component Type PCB Header  
 Overview [HDM®](#)  
 Product Name HDM®  
 Style N/A  
 UPC 800755022605

**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 No  
 Keying to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin-Lead  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 7.207/g  
 Number of Columns 24  
 Number of Pairs Open Pin Field  
 Number of Rows 6  
 Orientation Vertical  
 PC Tail Length 3.50mm  
 PCB Locator No  
 PCB Retention None  
 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 0.381µm  
 Polarized to PCB No  
 Stackable Yes  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -55°C to +105°C



**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**

[73643Series](#)

**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	
Backplane Insertion	<a href="#">0622005703</a>
Head for 144 Circuits	
Flat Rock Tooling for	<a href="#">0622013700</a>
Pneumatic Press	

Termination Interface: Style

Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact

1A

Data Rate

1.0 Gbps

Real Signals (per 25mm)

75

Voltage - Maximum

250V AC

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-73643-\*\*\*\*

Test Summary

TS-73670-990

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