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**Part Number:** [74651-2514](#)

**Status:** **Active**

**Overview:** VHDM-HSD™ Backplane Connectors

**Description:** 2.00mm Pitch 8-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield End Version, 150 Circuits, Pin Length 5.15mm, Keying Option A. Series:74659  
Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

**Documents:**

[Drawing \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980

**General**

Product Family Backplane Connectors  
Series [74651](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments Keying Orientation A  
Component Type PCB Header  
Overview [VHDM-HSD™ Backplane Connectors](#)  
Product Name VHDM-HSD™  
Style N/A  
UPC 756054379127

**Physical**

Circuits (Loaded) 150  
Circuits (maximum) 150  
Color - Resin Black  
Durability (mating cycles max) 200  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Material - Metal Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Tin-Lead  
Material - Resin High Temperature Thermoplastic  
Number of Columns 25  
Number of Pairs Open Pin Field  
Number of Rows 8  
Orientation Vertical  
PC Tail Length 2.50mm  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 1.80mm  
Packaging Type Tube  
Pitch - Mating Interface 2.00mm  
Pitch - Termination Interface 2.00mm  
Plating min - Mating 0.762µm  
Plating min - Termination 0.762µm  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes

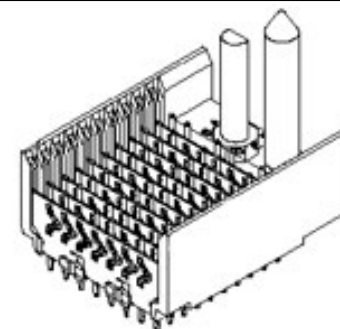


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Series

**EU RoHS**

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

**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**

[74651Series](#)

**Mates With**

HSD Daughtercards [74680](#) , [74686](#)

**Use With**

Daughtercard Modules

**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 #
Signal Pin Inserter	<a href="#">0622015700</a>
Repair Tool	
Insertion Module for Advanced Mate	<a href="#">0622020206</a>
Signal Header, 6-Row by 25-Wide, 50.00mm	

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

### **Electrical**

Current - Maximum per Contact 2A  
Data Rate 5.0 Gbps  
Shield Type Ground Plane Shield  
Shielded Yes  
Voltage - Maximum 120V AC (RMS)/DC

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification PS-74031-999  
Sales Drawing SD-74651-002

VHDM-HSD is a trademark of Amphenol Corporation

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