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**Part Number:** [74981-1014](#)

**Status:** **Active**

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

**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 6-Row, Guide Pin Signal Module, Shield End Version, 40 Circuits, Pin Length 5.15mm. Series:74984 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**

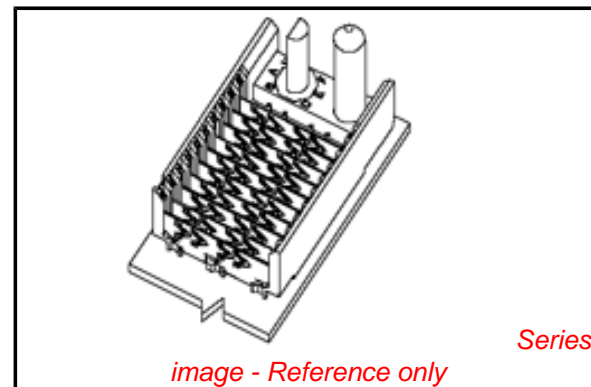
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [74981](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments Keying Orientation A  
Component Type PCB Header  
Overview [VHDM-HSD™ Backplane Connectors](#)  
Product Name VHDM-HSD™  
UPC 822350649636

**Physical**

Circuits (Loaded) 40  
Circuits (maximum) 40  
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 Matte Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 8.076/g  
Number of Columns 10  
Number of Pairs Open Pin Field  
Number of Rows 6  
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



**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**

[74981Series](#)

**Mates With**

[74880 VHDMHSD Daughtercard](#)

**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	
Signal Header, 6-Row by 10-Wide, 20.00mm	<a href="#">0622020216</a>

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

### **Electrical**

Current - Maximum per Contact	2.0A
Data Rate	5.0 Gbps
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification	PS-74031-999
Sales Drawing	SD-74981-010

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