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**Part Number:** [74979-1002](#)  
**Status:** **Active**  
**Overview:** VHDM-HSD™ Backplane Connectors  
**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 6-Row, Open Module, 40 Circuits, Gold (Au) Selective 0.76µm, Pin Length 6.25mm. Series:74984 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-74031-999 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [74979](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments Open Header  
Component Type PCB Header  
Overview [VHDM-HSD™ Backplane Connectors](#)  
Product Name VHDM-HSD™  
Style N/A  
UPC 756054420584

**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 No  
Keying to Mating Part None  
Material - Metal Copper-Nickel-Silicon, High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Matte Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 3.990/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  
Plating min - Mating 0.762µm  
Plating min - Termination 0.762µm  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes

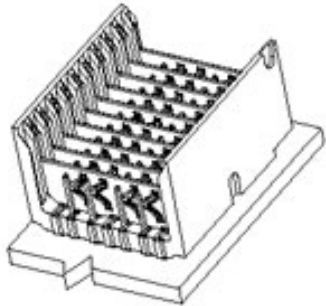


image - Reference only

Series

**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**  
[74979Series](#)

**Mates With**  
[74880 VHDMHSD Daughtercard](#). [74886 VHDMHSD Hybrid Daughtercard](#)

**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> |

|                               |                              |
|-------------------------------|------------------------------|
| 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         |
| Voltage - Maximum             | 120V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing         | SD-74979-010 |

VHDM-HSD is a trademark of Amphenol Corporation

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