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**Part Number:** [0749819014](#)

**Status:** **Active**

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

**Description:** 2.00mm Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Pin End Version, 40 Circuits, Pin Length 5.15mm, Keying Orientation A, Lead-Free. 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**

UL E29179

**General**

|                               |  |
|-------------------------------|--|
| Product Family                | Backplane Connectors                           |
| Series                        | <a href="#">74981</a>                          |
| Application                   | Backplane                                      |
| Application Tooling Documents | TM-622010999                                   |
| Comments                      | Keying Orientation A                           |
| Component Type                | PCB Header                                     |
| Overview                      | <a href="#">VHDM-HSD™ Backplane Connectors</a> |
| Product Name                  | VHDM-HSD™                                      |
| Style                         | N/A  |

**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                                       |
| 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                  | Yes  |
| 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               | No   |
| 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 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> |

Termination Interface: Style

Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact

2A

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

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 03/09/2012

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