

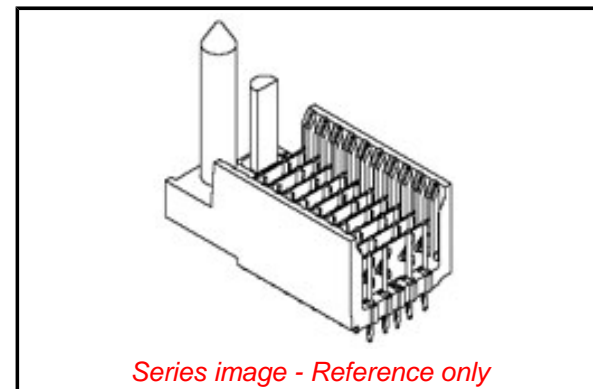
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**Part Number:** [0746961002](#)

**Status:** **Active**

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

**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 5-Row, Guide Pin Signal Module, Pin End Version, 40 Circuits, Pin Length 6.25mm. Series:74702 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm



Series image - Reference only

**Documents:**

[Drawing \(PDF\)](#)

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

[Packaging Specification PK-74696-003 \(PDF\)](#)

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

**Agency Certification**

CSA LR19880  
UL E29179

**General**

Product Family Backplane Connectors  
Series [74696](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments No Keying Orientation  
Component Type PCB Header  
Overview [VHDM-HSD™ Backplane Connectors](#)  
Product Name VHDM-HSD™  
UPC 800756608969

**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 None  
Material - Metal High Performance Alloy (HPA), Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Matte Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 6.167/g  
Number of Columns 10  
Number of Pairs Open Pin Field  
Number of Rows 5  
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  
Temperature Range - Operating -55°C to +105°C

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[74696 Series](#)

**Mates With**

[74670 VHDM-HSD™ 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 Header, 5-Row by 10-Wide, 20.00mm | <a href="#">0622020201</a> |
| Signal Pin Inserter Repair Tool          | <a href="#">0622015700</a> |
| 5-Row Pin and Shield Repair Tool         | <a href="#">0622015810</a> |

Termination Interface: Style

Through Hole - Compliant Pin

5-Row Shield  
Extraction Tool

0622016010

**Electrical**

Current - Maximum per Contact

1.0A

Data Rate

5.0 Gbps

Shield Type

Ground Plane Shield

Shielded

Yes

Voltage - Maximum

120V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-74696-003

Product Specification

PS-74031-999

Sales Drawing

SD-74696-002

Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS.

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