

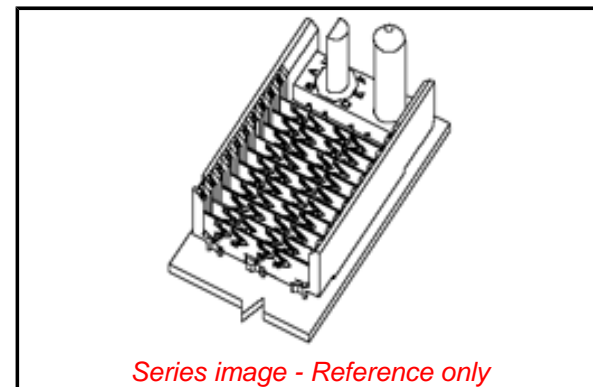
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**Part Number:** [0749812503](#)

**Status:** **Active**

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

**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 6-Row, Guide Pin Signal Module, Shield End Version, 100 Circuits, Pin Length 4.25mm. 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

**General**

Product Family	Backplane Connectors
Series	<a href="#">74981</a>
Application	Backplane
Application Tooling Documents	TM-622010999
Comments	No Keying Orientation
Component Type	PCB Header
Overview	<a href="#">VHDM-HSD™ Backplane Connectors</a>
Product Name	VHDM-HSD™
UPC	822350649186

**Physical**

Circuits (Loaded)	100
Circuits (maximum)	100
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	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	16.748/g
Number of Columns	25
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
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**

[74981](#) Series

**Mates With**

[74880](#) VHDM-HSD™ 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 [0622015700](#)

Repair Tool

Insertion Module [0622020217](#)

Signal Header, 6

Termination Interface: Style

Through Hole - Compliant Pin

Row by 25 Wide,  
50.00mm

**Electrical**

Current - Maximum per Contact

2.0A

Data Rate

5.0 Gbps

Shielded

No

Voltage - Maximum

120V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-74031-999

Sales Drawing

SD-74981-010

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

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