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**Part Number:** [0746971002](#)

**Status:** **Active**

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

**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 5-Row, Guide Pin Signal Module, Shield 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

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

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

**Agency Certification**

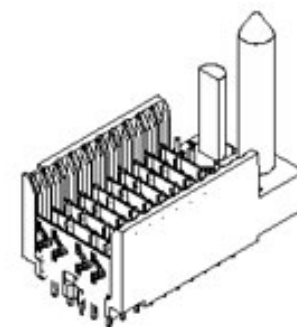
CSA LR19980

**General**

Product Family	Backplane Connectors
Series	<a href="#">74697</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	800756620831

**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
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
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
Termination Interface: Style	Through Hole - Compliant Pin



Series image - Reference only

**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**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

Not Reviewed

ELV

Not Reviewed

**Search Parts in this Series**

[74697](#) 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>
5-Row Shield Extraction Tool	<a href="#">0622016010</a>

**Electrical**

Current - Maximum per Contact	1.0A
Data Rate	5.0 Gbps
Voltage - Maximum	120V AC (RMS)/DC

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-74696-003
Product Specification	PS-74031-999
Sales Drawing	SD-74697-002

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