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**Part Number:** [0746492502](#)  
**Status:** **Active**  
**Overview:** VHDM-HSD™ Backplane Connectors  
**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Open Module, 150 Circuits, Pin Length 6.25mm. Series:74659 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

**Documents:**  
[Drawing \(PDF\)](#) [Packaging Specification PK-74060-003 \(PDF\)](#)  
[Product Specification PS-74031-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

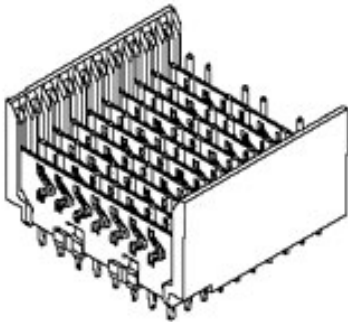
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [74649](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments Open Header  
Component Type PCB Header  
Overview [VHDM-HSD™ Backplane Connectors](#)  
Product Name VHDM-HSD™  
UPC 800756450711

**Physical**

Circuits (Loaded) 150  
Circuits (maximum) 150  
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 12.688/g  
Number of Columns 25  
Number of Pairs Open Pin Field  
Number of Rows 8  
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 No  
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 Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**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 Green Image  
ELV Not Relevant

**Search Parts in this Series**

[74649](#) Series

**Mates With**

VHDM-HSD™ Daughtercards [74680](#) ,  
[74686](#)

**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 #**

Insertion Module [0622020206](#)  
for Advanced Mate  
Signal Header, 6-

|                                                                                                  |                     |                            |
|--------------------------------------------------------------------------------------------------|---------------------|----------------------------|
|                                                                                                  |                     | Row by 25-Wide,<br>50.00mm |
| <b>Electrical</b>                                                                                |                     |                            |
| Current - Maximum per Contact                                                                    | 2.0A                |                            |
| Data Rate                                                                                        | 5.0 Gbps            |                            |
| Shield Type                                                                                      | Ground Plane Shield |                            |
| Shielded                                                                                         | Yes                 |                            |
| Voltage - Maximum                                                                                | 120V AC (RMS)/DC    |                            |
| <b>Solder Process Data</b>                                                                       |                     |                            |
| Lead-freeProcess Capability                                                                      | N/A                 |                            |
| <b>Material Info</b>                                                                             |                     |                            |
| <b>Reference - Drawing Numbers</b>                                                               |                     |                            |
| Packaging Specification                                                                          | PK-74060-003        |                            |
| Product Specification                                                                            | PS-74031-999        |                            |
| Sales Drawing                                                                                    | SD-74649-002        |                            |
| Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS. |                     |                            |

This document was generated on 09/30/2016

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