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**Part Number:** [0746511001](#)  
**Status:** **Active**  
**Overview:** VHDM-HSD™ Backplane Connectors  
**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Guide Pin Signal Module, Shield End Version, 60 Circuits, Pin Length 4.75mm. 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-74061-003 \(PDF\)](#)  
[Product Specification PS-74031-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

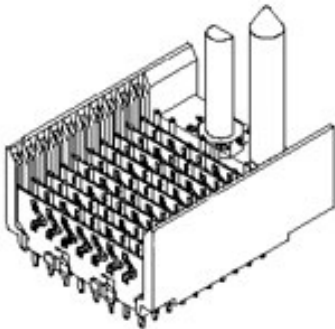
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [74651](#)  
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 800756484372

**Physical**

Circuits (Loaded) 60  
Circuits (maximum) 60  
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 7.873/g  
Number of Columns 10  
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 Yes  
Surface Mount Compatible (SMC) Yes



Series image - Reference only

**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**

[74651](#) 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**

Signal Pin Inserter  
Repair Tool

**Product #**

[0622015700](#)

|                                                                                                  |                              |                   |            |
|--------------------------------------------------------------------------------------------------|------------------------------|-------------------|------------|
| Temperature Range - Operating                                                                    | -55°C to +105°C              | Insertion Module  | 0622020205 |
| Termination Interface: Style                                                                     | Through Hole - Compliant Pin | for Advanced Mate |            |
| <b>Electrical</b>                                                                                |                              | Signal Header, 8- |            |
| Current - Maximum per Contact                                                                    | 2.0A                         | Row by 10-Wide,   | 20.00mm    |
| Data Rate                                                                                        | 5.0 Gbps                     |                   |            |
| Shield Type                                                                                      | Ground Plane Shield          |                   |            |
| Shielded                                                                                         | Yes                          |                   |            |
| Voltage - Maximum                                                                                | 120V AC (RMS)/DC             |                   |            |
| <b>Material Info</b>                                                                             |                              |                   |            |
| <b>Reference - Drawing Numbers</b>                                                               |                              |                   |            |
| Packaging Specification                                                                          | PK-74061-003                 |                   |            |
| Product Specification                                                                            | PS-74031-999                 |                   |            |
| Sales Drawing                                                                                    | SD-74651-002                 |                   |            |
| Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS. |                              |                   |            |

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