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**Part Number:** [0740591001](#)  
**Status:** **Active**  
**Overview:** [VHDM Backplane Connector Systems](#)  
**Description:** VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Guide Pin Signal Module, Shield End Version, 60 Circuits, 10 Columns, Pin Length 4.75mm

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

UL E29179

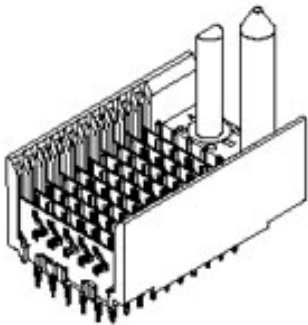
**General**

Product Family Backplane Connectors  
Series [74059](#)  
Application Backplane  
Application Tooling Documents TM-622010999  
Comments No Keying Position  
Component Type PCB Header  
Overview [VHDM Backplane Connector Systems](#)  
Product Name VHDM  
UPC 800754780711

**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 Beryllium Copper, High Performance Alloy (HPA), Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Matte Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 7.200/g  
Number of Columns 10  
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 1.00mm  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -55° to +105°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[74059](#) Series

**Mates With**

[74030](#) VHDM Board-to-Board Daughtercard Receptacle

|                                    |                     |
|------------------------------------|---------------------|
| Current - Maximum per Contact      | 2.0A                |
| Data Rate                          | 3.125 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> |                     |
| Sales Drawing                      | SD-74059-002        |

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