

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [74057-9009](#)  
**Status:** **Active**  
**Overview:** [VHDM® Backplane Connector Systems](#)  
**Description:** VHDM® Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6-Rows, Open Signal Module, 60 Circuits, 10 Columns, Pin Length 5.15mm, 1.27µm Gold (Au) Plating, Series:74074 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 \(PDF\)](#)

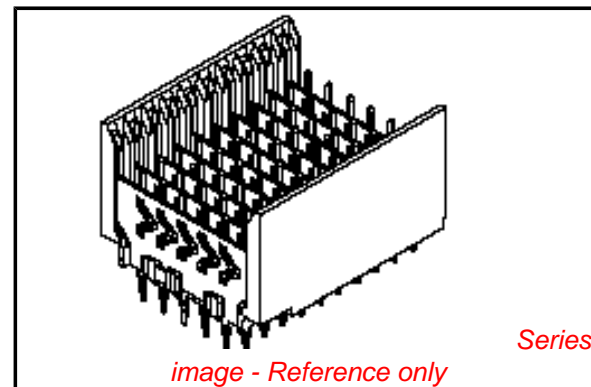


image - Reference only

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [74057](#)  
 Application Backplane  
 Application Tooling Documents TM-622010999  
 Comments Backplane Header Module, Signal, Open  
 Component Type PCB Header  
 Overview [VHDM® Backplane Connector Systems](#)  
 Product Name VHDM®  
 Style N/A  
 UPC 884982749191

**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 No  
 Keying to Mating Part None  
 Material - Metal Beryllium Copper, High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Matte Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 4.298/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  
 Plating min - Mating 1.270µm  
 Plating min - Termination 0.762µm  
 Polarized to PCB Yes  
 Surface Mount Compatible (SMC) Yes

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[74057Series](#)

**Mates With**

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

**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 #
Flat Rock Tooling for Pneumatic Press	<a href="#">0622013700</a>
Insertion Module for Advanced Mate Signal Header, 6-Row by 11-Wide, 20.00mm	<a href="#">0622011101</a>
Signal Pin Inserter Repair Tool	<a href="#">0622015700</a>

Temperature Range - Operating 105°C  
Termination Interface: Style Through Hole - Compliant Pin

### Electrical

Current - Maximum per Contact 2A  
Data Rate 3.125 Gbps  
Shield Type Ground Plane Shield  
Shielded Yes  
Voltage - Maximum 120V AC (RMS)/DC

### Material Info

### Reference - Drawing Numbers

Product Specification PS-74031-999  
Sales Drawing SD-74057-002

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

6-Row Pin and Shield Repair Tool	<a href="#">0622015800</a>
6-Row Shield Extraction Tool	<a href="#">0622016000</a>
Insertion Module for Advanced Mate Signal Header, 6-Row by 10-Wide, 20.00mm	<a href="#">0622020207</a>
Insertion Module for Advanced Mate Signal Header, 6-Row by 25-Wide, 50.00mm	<a href="#">0622020204</a>
Insertion Module for Advanced Mate Signal Header, 6-Row by 10-Wide, 20.00mm	<a href="#">0622020203</a>

This document was generated on 07/03/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**