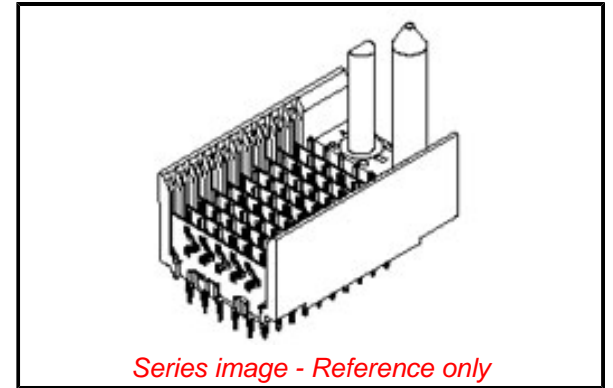# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0740592501

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, 150 Circuits, 25 Columns, Pin Length 4.75mm

Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

Product Specification PS-74031-999-001 (PDF)

RoHS Certificate of Compliance (PDF)

Series image - Reference only

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	800754780797

Physical

Circuits (Loaded)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
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	13.515/g
Number of Columns	25
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	0.762μm
Plating min - Termination	0.762μm
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	2.0A

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2020)9139-DC (19 Jan 2021)

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

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 Pin Inserter Repair Tool	622015700
6-Row Pin and Shield Repair Tool	622015800
6-Row Shield Extraction Tool	622016000
Insertion Module for Advanced Mate Signal Header, 6-	622020204

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

Solder Process Data

| Lead-freeProcess Capability | N/A |

Material Info

Reference - Drawing Numbers

| Product Specification | PS-74031-999-001 |
| Sales Drawing | SD-74059-002 |

Row by 25-Wide, 50.00mm
Insertion Module [622020208](622020208)
for Standard Shield
Signal Header, 6-
Row by 25-Wide,
50.00mm

This document was generated on 02/27/2021
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