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Part Number: [74059-1012](#)
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, Pin Length 6.25mm, Keying Orientation A. Series:74074 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

Documents:
[3D Model](#) [Product Specification PS-74031-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family Backplane Connectors
Series [74059](#)
Application Backplane
Application Tooling Documents TM-622010999
Comments Position A
Component Type PCB Header
Overview [VHDM® Backplane Connector Systems](#)
Product Name VHDM®
Style N/A
UPC 800753257122

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 Yes
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 8.054/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°C to +105°C

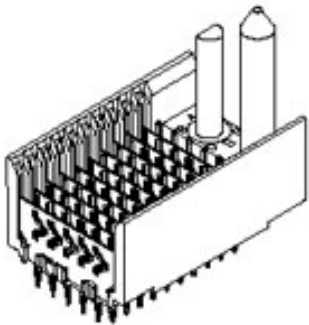


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Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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
[74059Series](#)

Mates With
74030 VHDM® Board-to-Board
Daughtercard Receptacle

Application Tooling FAQ	
<i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i>	
Global	
Description	Product #
Insertion Module for Advanced Mate Signal Header, 6-Row by 11-Wide, 20.00mm Flat Rock Tooling for Pneumatic Press	0622011101
Signal Pin Inserter	0622015700
Repair Tool	

Termination Interface: Style	Through Hole - Compliant Pin	6-Row Pin and Shield Repair Tool	0622015800
Electrical		6-Row Shield Extraction Tool	0622016000
Current - Maximum per Contact	2A	Insertion Module for Advanced Mate	0622020203
Data Rate	3.125 Gbps	Signal Header, 6-Row by 10-Wide, 20.00mm	
Shield Type	Ground Plane Shield	Insertion Module for Advanced Mate	0622020207
Shielded	Yes	Signal Header, 6-Row by 10-Wide, 20.00mm	
Voltage - Maximum	120V AC (RMS)/DC		
Material Info			
Reference - Drawing Numbers			
Product Specification	PS-74031-999		
Sales Drawing	SD-74059-002		
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