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Part Number: **0740598511**

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, Pin Length 4.75mm, 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
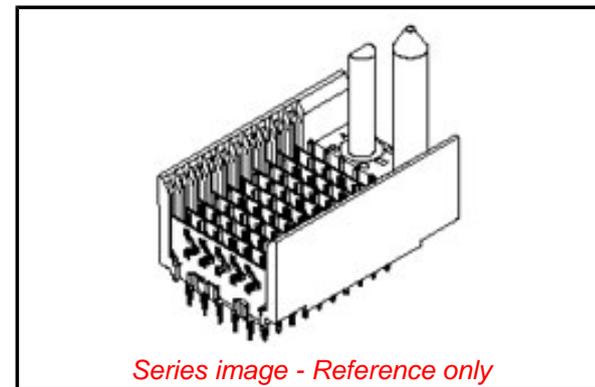
Documents:

3D Model	Product Specification PS-74031-999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Series image - Reference only

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®
UPC	884982749344

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	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	14.713/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°C 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
-ED/79/2015 (17
December 2015)
**Halogen-Free
Status**
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant

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	0622015700
6-Row Pin and Shield Repair Tool	0622015800
6-Row Shield Extraction Tool	0622016000

		Insertion Module for Advanced Mate Signal Header, 6-Row by 25-Wide, 50.00mm	0622020204
Data Rate	3.125 Gbps		
Shield Type	Ground Plane Shield		
Shielded	Yes		
Voltage - Maximum	120V AC (RMS)/DC		
		Insertion Module for Standard Shield Signal Header, 6-Row by 25-Wide, 50.00mm	0622020208
Solder Process Data			
Lead-freeProcess Capability	N/A		

Material Info

Reference - Drawing Numbers

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

Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS.