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Part Number: [0746502511](#)
Status: **Active**
Overview: VHDM-HSD™ Backplane Connectors
Description: VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Guide Pin Signal Module, Pin End Version, 150 Circuits, Pin Length 4.75mm. Series:74659 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

Documents:

[Drawing \(PDF\)](#) [Packaging Specification PK-74061-003 \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

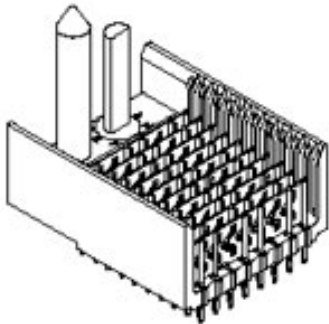
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [74650](#)
Application Backplane
Application Tooling Documents TM-622010999
Comments Keying Orientation A
Component Type PCB Header
Overview [VHDM-HSD™ Backplane Connectors](#)
Product Name VHDM-HSD™
UPC 800756510583

Physical

Circuits (Loaded) 150
Circuits (maximum) 150
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 Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating Gold
Material - Plating Termination Matte Tin
Material - Resin High Temperature Thermoplastic
Net Weight 16.287/g
Number of Columns 25
Number of Pairs Open Pin Field
Number of Rows 8
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 2.00mm
Plating min - Mating 0.762µm
Plating min - Termination 0.762µm
Polarized to PCB Yes
Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

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

[74650](#) Series

Mates With

VHDM-HSD™ Daughtercards [74680](#) ,
[74686](#)

Use With

Daughtercard Modules

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

Signal Pin Inserter
Repair Tool

Product #

[0622015700](#)

Temperature Range - Operating	-55°C to +105°C	Insertion Module	0622020206
Termination Interface: Style	Through Hole - Compliant Pin	for Advanced Mate	
Electrical		Signal Header, 6-	
Current - Maximum per Contact	2.0A	Row by 25-Wide,	50.00mm
Data Rate	5.0 Gbps		
Shield Type	Ground Plane Shield		
Shielded	Yes		
Voltage - Maximum	120V AC (RMS)/DC		
Material Info			
Reference - Drawing Numbers			
Packaging Specification	PK-74061-003		
Product Specification	PS-74031-999		
Sales Drawing	SD-74650-002		
Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS.			

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