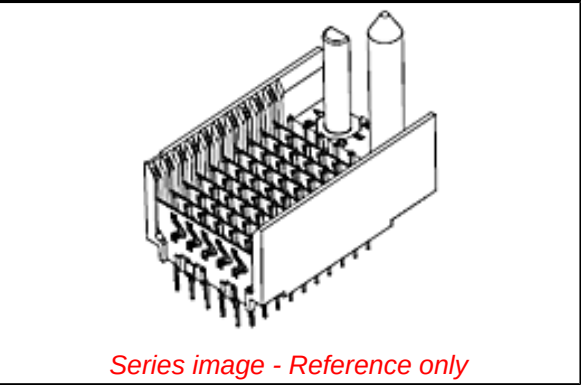


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Part Number: [0774429001](#)
Status: **Active**
Overview: VHDM-HSD™ Backplane Connectors
Description: VHDM® Single-Ended Board-to-Board Backplane Header with Right Guide, 2.00mm Pitch, Vertical, 6-Rows, Open Signal Module, 60 Circuits, 10 Columns, Pin Length 4.75mm, 0.76µm Gold Plating



Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification PK-74058-003 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	77442
Application	Backplane
Application Tooling Documents	TM-622010999
Component Type	PCB Header
Overview	VHDM-HSD™ Backplane Connectors
Product Name	VHDM®
UPC	887191122243
Physical	
Circuits (Loaded)	60
Circuits (maximum)	60
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Silicon, High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	8.116/g
Number of Columns	10
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
PC Tail Length	4.75mm
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 - Termination	0.762µm
Polarized to PCB	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	2.0A
Data Rate	6.25 Gbps
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

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 China ROHS ELV
	Green Image Not Relevant

Search Parts in this Series
[77442](#) Series

Use With
Daughtercard Modules

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-74058-003
Sales Drawing	SD-77442-001

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

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