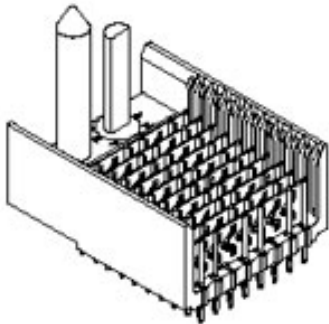


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Part Number: [0746501112](#)
Status: **Active**
Overview: VHDM-HSD™ Backplane Connectors
Description: VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Guide Pin Signal Module, Signal Pin End Version, Advanced Mate Shield, 60 Circuits, Pin Length 6.25mm. Series:74659 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15, and 6.25mm

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification PK-74061-003 \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	74650
Application	Backplane
Application Tooling Documents	TM-622010999
Comments	Advanced mate shield chevron can be used for the first mate last break (FMLB) grounding application.. Keying Orientation A
Component Type	PCB Header
Overview	VHDM-HSD™ Backplane Connectors
Product Name	VHDM-HSD™
UPC	756054365854
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	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	8.839/g
Number of Columns	10
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



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China 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 ELV Green Image 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	Product #
Insertion Module for Advanced Mate Signal Header, 8-	0622020205

Polarized to PCB	Yes	Row by 10-Wide, 20.00mm
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	
Data Rate	5.0 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		
Packaging Specification	PK-74061-003	
Sales Drawing	SD-74650-003	

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

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