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Part Number: [0749792504](#)
Status: **Active**
Overview: vhdm_hsd
Description: 2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Open Module, 100 Circuits, Gold (Au) Selective 0.76µm (30µ"), Pin Length 5.15mm (.203")

Documents:

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

General

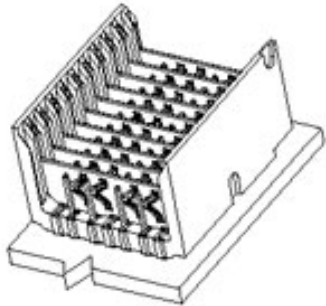
Product Family	Backplane Connectors
Series	74979
Application	Backplane
Application Tooling Documents	TM-622010999.pdf Tooling Manual
Comments	Open Header
Component Type	PCB Header
Overview	vhdm_hsd
Product Name	VHDM-HSD™
Style	N/A

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
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	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
PCB Retention	None
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.80 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes
Stackable	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	1A
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Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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

[74979Series](#)

Mates With

[74880 VHDMHSD Daughtercard](#). [74886 VHDMHSD Hybrid Daughtercard](#)

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 #
VHDM® Signal Pin	0622015700
Insert Repair Tool	
VHDM-HSD™ Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020217

Data Rate	5.0 Gbps
Real Signals (per 25mm)	48
Voltage - Maximum	120V AC (RMS)/DC

Material Info

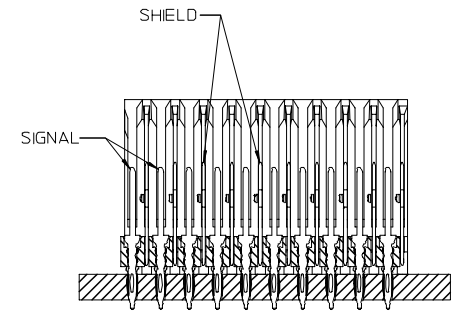
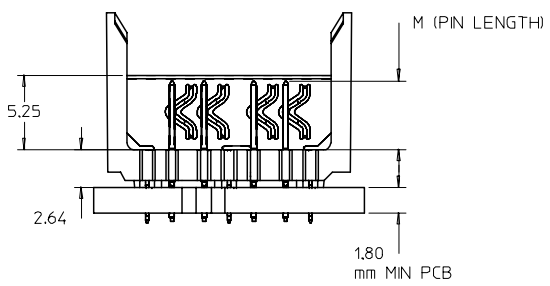
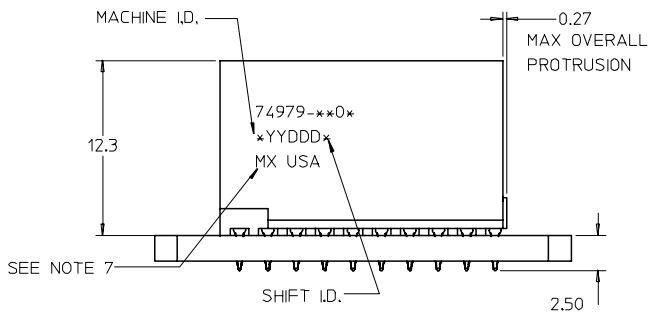
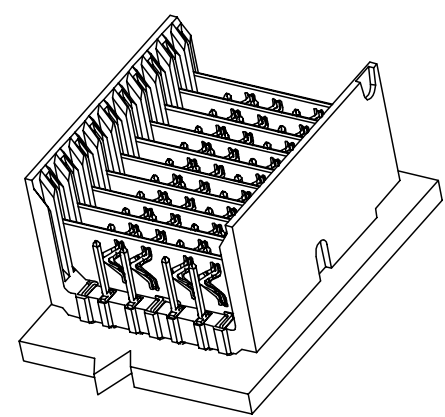
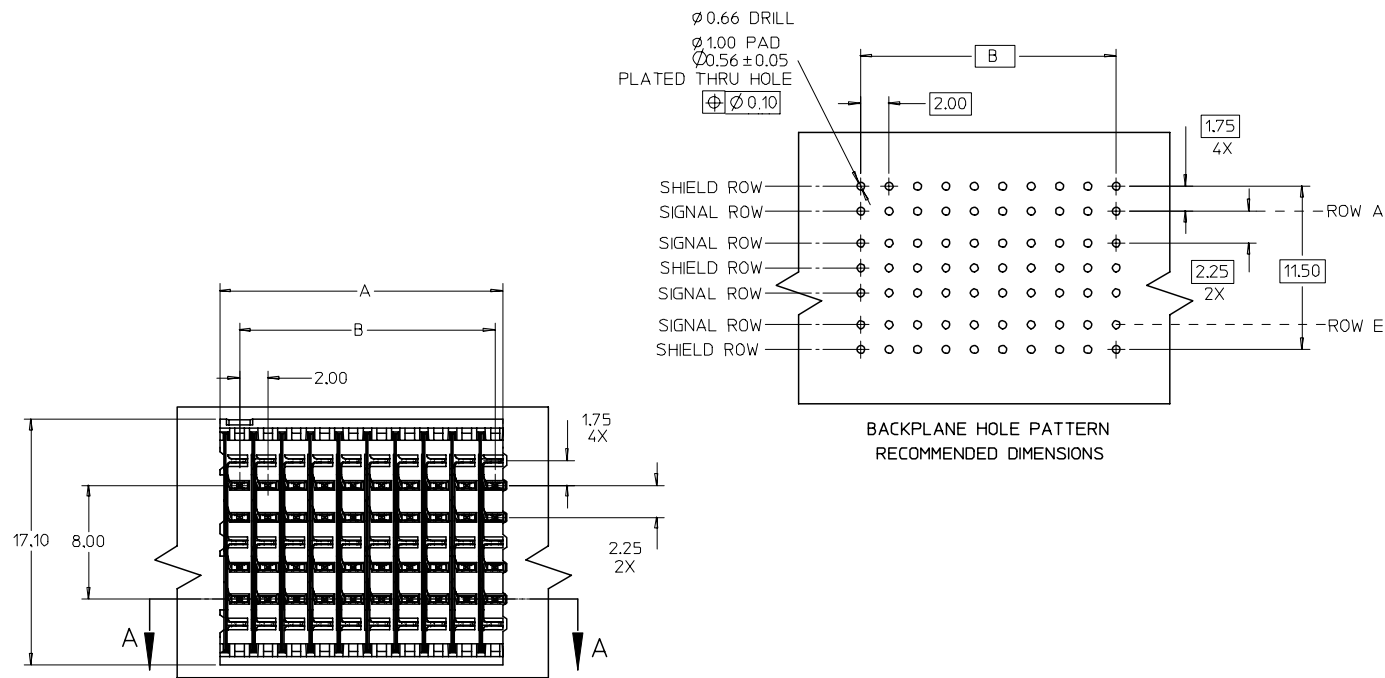
Reference - Drawing Numbers

Packaging Specification	PK-74057-003
Product Specification	PS-74031-999
Sales Drawing	SD-74979-010

VHDM-HSD is a trademark of Amphenol Corporation

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SECTION A-A
ROTATED 180°

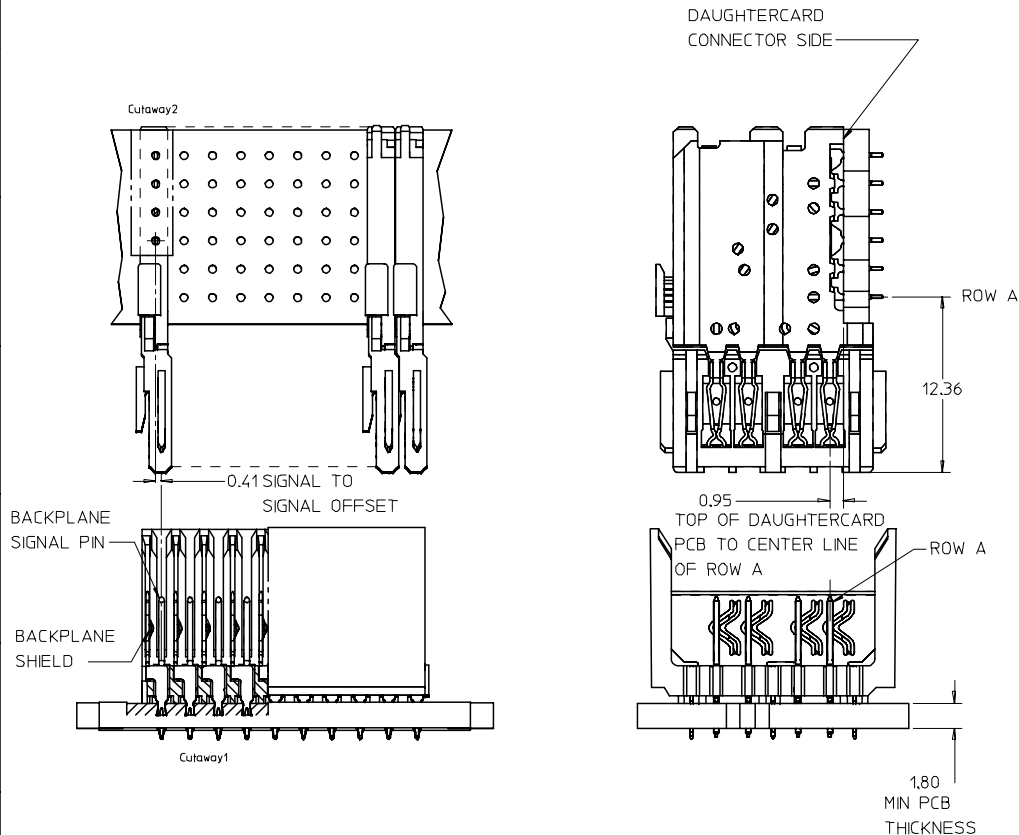
- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0. COLOR - BLACK. SIGNAL AND SHIELD - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES:
 CONTACT AREA: SELECTIVE GOLD (Au)
 PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn) NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
 4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION REFER TO SHEET 2.
 6. PACKAGE PER PK-74057-003 FOR 10 & 25 COLUMN, PACKAGE PER PK-70873-0934 FOR THE 9 COLUMN CONNECTOR.
 7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON TUBE.

ADD LEADFREE PINS EC NO: UCP2006-0067 DRWN: KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
					DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 6 ROW OPEN END BACKPLANE				
					DRAWN BY DATE						
					NMARTIN 2002/05/03						
					CHECKED BY DATE						
					SREED 2002/05/03						
					ANGULAR ± --- °		MOLEX MOLEX INCORPORATED				
					DRAFT WHERE APPLICABLE						
					MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE	MATERIAL NO.		DOCUMENT NO.	SHEET NO.
							CBIXLER 2002/05/03	SEE SHEET 2		SD-74979-010	1 OF 2
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					C		

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PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) MIN THICKNESS	Sn (um) THICKNESS
74979- x 901	9	36	9	18.00	16.00	4.75	0.76	0.76-152
74979- x 906							1.27	
74979- x 001	10	40	10	20.00	18.00		0.76	
74979- x 006							1.27	
74979- x 501	25	100	25	50.00	48.00		0.76	
74979- x 506							1.27	
74979- x 902	9	36	9	18.00	16.00	0.76		
74979- x 907						1.27		
74979- x 002	10	40	10	20.00	18.00	6.25	0.76	
74979- x 007						1.27		
74979- x 502	25	100	25	50.00	48.00	0.76		
74979- x 507						1.27		
74979- x 903	9	36	9	18.00	16.00	4.25	0.76	
74979- x 908							1.27	
74979- x 003	10	40	10	20.00	18.00		0.76	
74979- x 008							1.27	
74979- x 503	25	100	25	50.00	48.00		0.76	
74979- x 508							1.27	
74979- x 904	9	36	9	18.00	16.00	5.15	0.76	
74979- x 909							1.27	
74979- x 004	10	40	10	20.00	18.00		0.76	
74979- x 009							1.27	
74979- x 504	25	100	25	50.00	48.00		0.76	
74979- x 509							1.27	

MATERIAL NUMBER ASSIGNMENT

74979-** **

SEE TABLE

- NUMBER OF COLUMNS/PLATING
- 10 = 10 COLUMN TIN/LEAD
 - 25 = 25 COLUMN TIN/LEAD
 - 09 = 9 COLUMN TIN/LEAD
 - 90 = 10 COLUMN MATTE TIN
 - 85 = 25 COLUMN MATTE TIN
 - 99 = 9 COLUMN MATTE TIN

SEE SHEET 1 EC NO: UCP2006-0067 DRWN:KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY CBIXLER 2002/05/03	DATE 2002/05/03	SHEET NO. 2 OF 2	MOLEX INCORPORATED	TITLE HSD SALES ASSEMBLY 6 ROW OPEN END BACKPLANE

11 10 9 8 7 6 5 4 3 2 1