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Part Number: [0749792501](#)
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 4.75mm (.187")

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

General

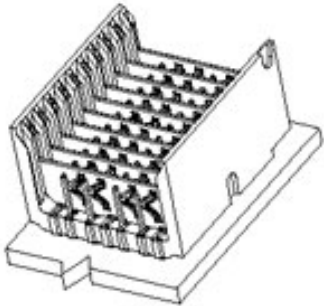
Product Family	Backplane Connectors
Series	74979
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Open Header
Component Type	PCB Header
Overview	vhdm_hsd
Product Name	VHDM-HSD™
Style	N/A

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
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

Pb

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 VHDM\HSD Daughtercard](#). [74886 VHDM\HSD 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	0622020217
Header, 6 Row by	
25 Wide, 50.00mm	
(1.97")	

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

This document was generated on 05/28/2010

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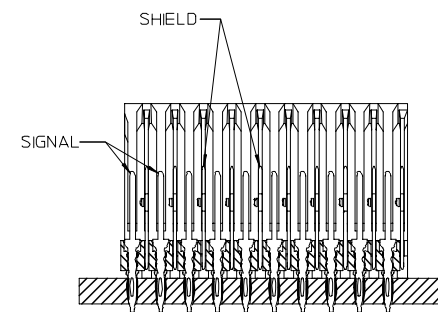
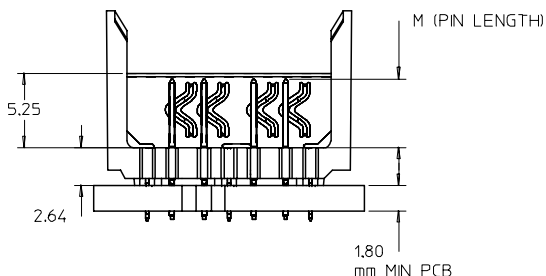
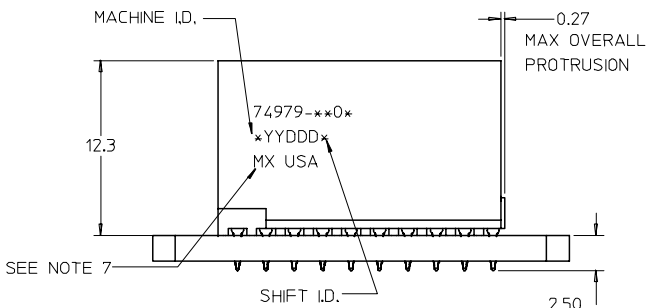
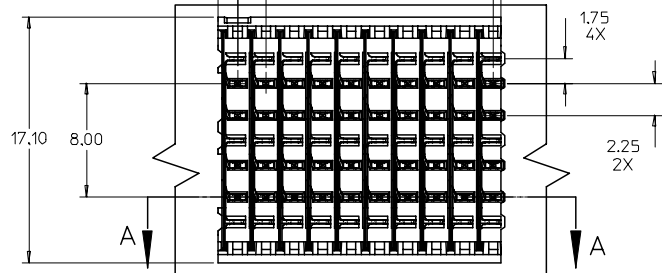
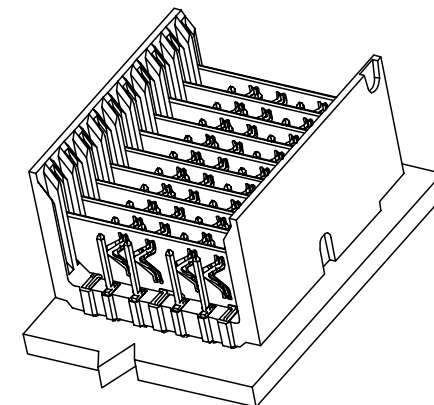
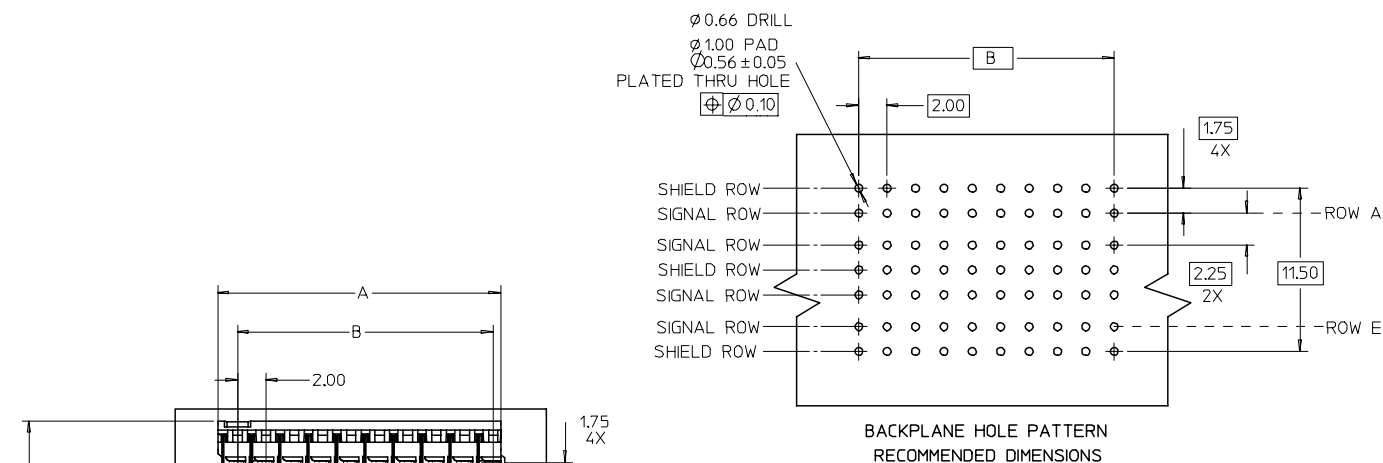
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SECTION A-A
ROTATED 180°

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.

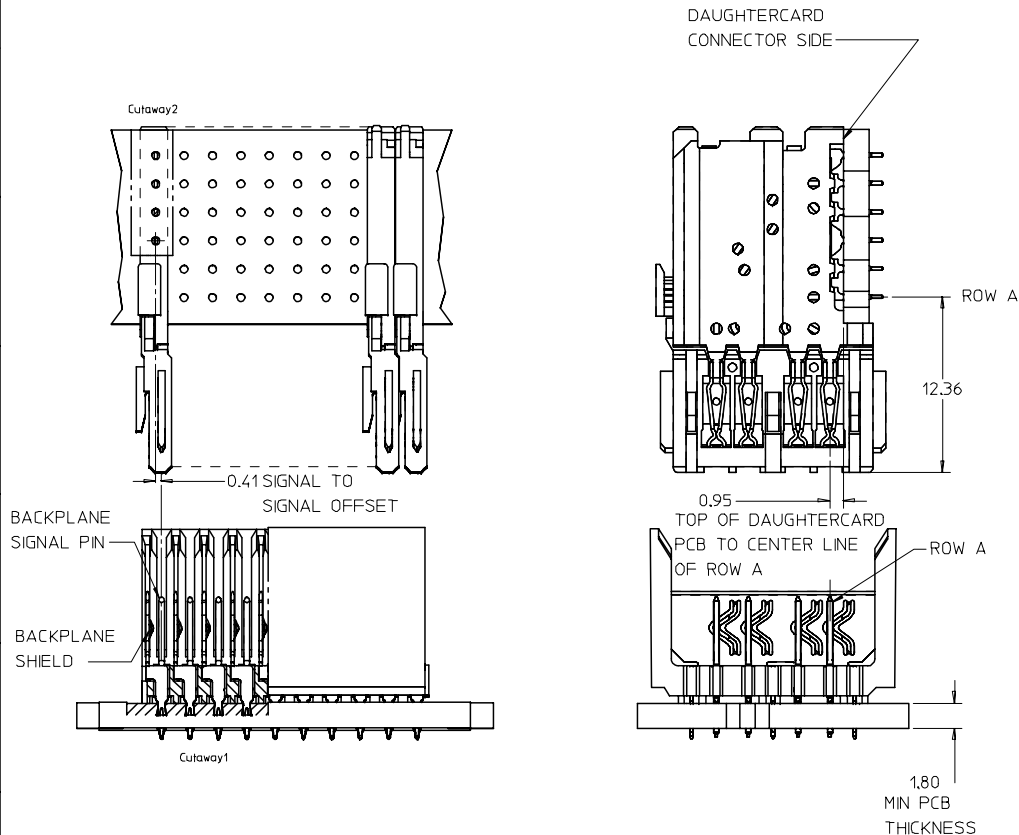
ADD LEADFREE PINS EC NO: UCP2006-0067 DRWN: KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	DESCRIPTION REV	QUALITY SYMBOLS 0 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE			TITLE	
						MM ONLY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

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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-x901	9	36	9	18.00	16.00	4.75	0.76	0.76-152
74979-x906							1.27	
74979-x001	10	40	10	20.00	18.00		0.76	
74979-x006							1.27	
74979-x501	25	100	25	50.00	48.00	0.76		
74979-x506						1.27		
74979-x902	9	36	9	18.00	16.00	0.76		
74979-x907						1.27		
74979-x002	10	40	10	20.00	18.00	6.25	0.76	
74979-x007						1.27		
74979-x502	25	100	25	50.00	48.00	0.76		
74979-x507						1.27		
74979-x903	9	36	9	18.00	16.00	0.76		
74979-x908						1.27		
74979-x003	10	40	10	20.00	18.00	4.25	0.76	
74979-x008						1.27		
74979-x503	25	100	25	50.00	48.00	0.76		
74979-x508						1.27		
74979-x904	9	36	9	18.00	16.00	0.76		
74979-x909						1.27		
74979-x004	10	40	10	20.00	18.00	5.15	0.76	
74979-x009						1.27		
74979-x504	25	100	25	50.00	48.00	0.76		
74979-x509						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 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	SCALE 4:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	DESCRIPTION 						

11 10 9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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