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Part Number: [0749791004](#)
Status: **Active**
Overview: vhdm__hsd
Description: 2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Open Module, 40 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

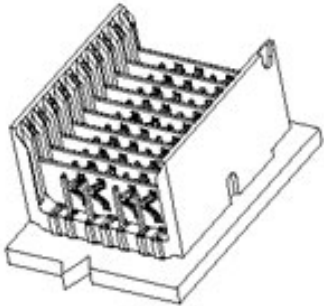
Product Family	Backplane Connectors
Series	74979
Application	Backplane
Application Tooling Documents	TM-622010999.pdf >Tooling Manual
Comments	Open Header
Component Type	PCB Header
Overview	vhdm__hsd
Product Name	VHDM-HSD™
Style	N/A

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
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	10
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	0622020216
Header, 6 Row by	
10 Wide, 20.00mm	
(.787")	

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

Material Info

Reference - Drawing Numbers

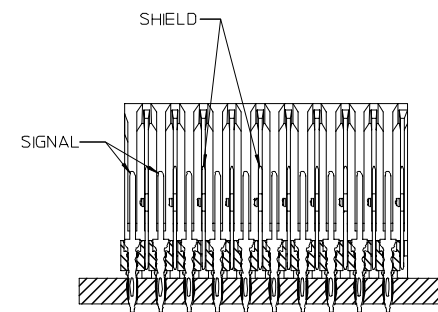
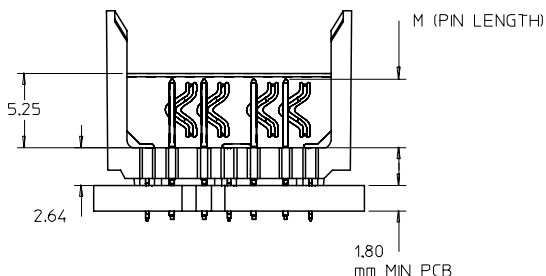
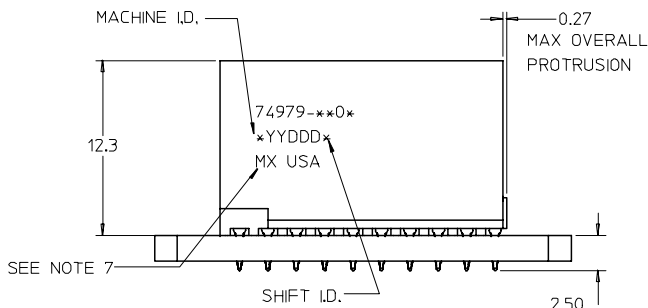
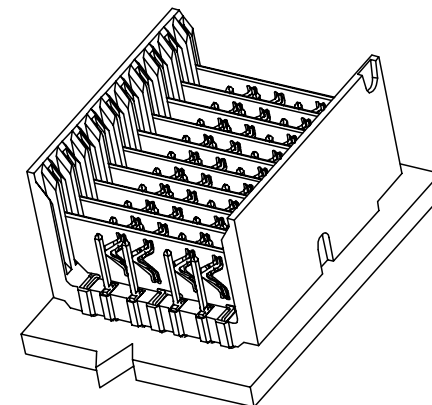
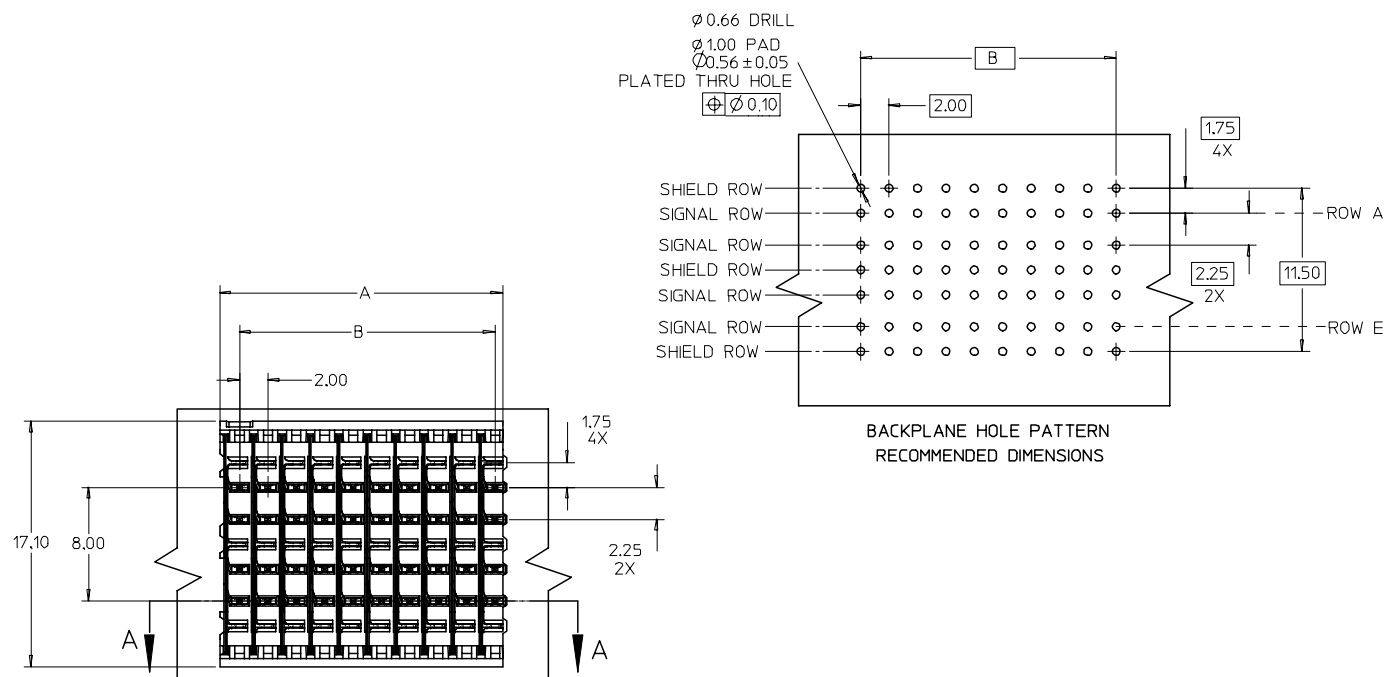
Packaging Specification	PK-74057-003
Product Specification	PS-74031-999
Sales Drawing	SD-74979-010

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/28/2010

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12 11 10 9 8 7 6 5 4 3 2 74979



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		
			mm	INCH	DIMENSION STYLE				TITLE HSD SALES ASSEMBLY 6 ROW OPEN END BACKPLANE	
					MM ONLY					
			4 PLACES	± ---	± ---	DRAWN BY				DATE
			3 PLACES	± ---	± ---	NMARTIN				2002/05/03
			2 PLACES	± ---	± ---	CHECKED BY				DATE
			1 PLACE	± ---	± ---	SREED				2002/05/03
			ANGULAR ± ---°		APPROVED BY					DATE
					CBIXLER					2002/05/03
					MATERIAL NO.					DOCUMENT NO.
NEW			DRAFT WHERE APPLICABLE		SEE SHEET 2		SD-74979-010	SHEET NO. 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					

11 10 9 8 7 6 5 4 3 2 1

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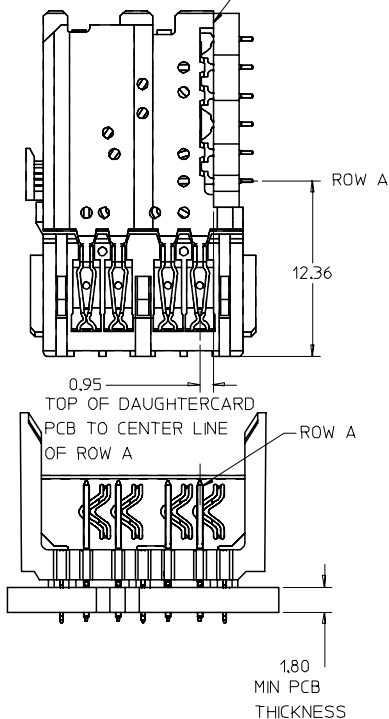
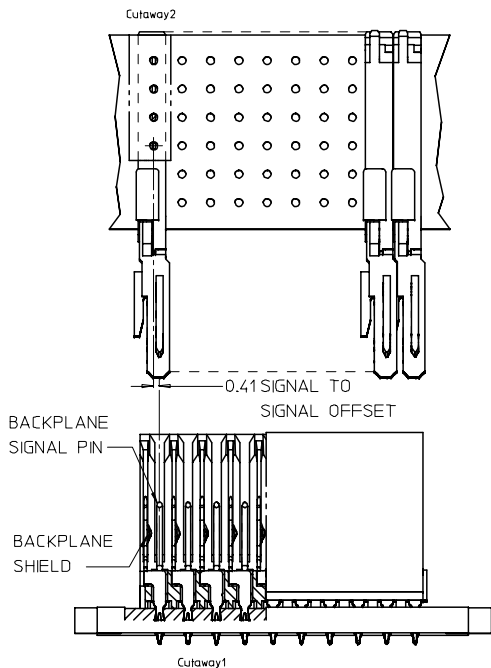
D

C

B

A

DAUGHTERCARD
CONNECTOR SIDE



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		4.25		0.76
74979-x908									1.27
74979-x003	10	40	10	20.00	18.00	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	5.15	0.76		
74979-x909							1.27		
74979-x004	10	40	10	20.00	18.00		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 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
DESCRIPTION REV	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	DRAWN BY NMARTIN CHECKED BY SREED APPROVED BY CBIXLER	DATE 2002/05/03 2002/05/03 2002/05/03	TITLE HSD SALES ASSEMBLY 6 ROW OPEN END BACKPLANE MOLEX INCORPORATED SEE TABLE
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SHEET NO. 2 OF 2	DOCUMENT NO. SD-74979-010	MATERIAL NO. SEE TABLE	SHEET NO. 2 OF 2	C	A

11 10 9 8 7 6 5 4 3 2 1