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Part Number:

0749790909

Status:

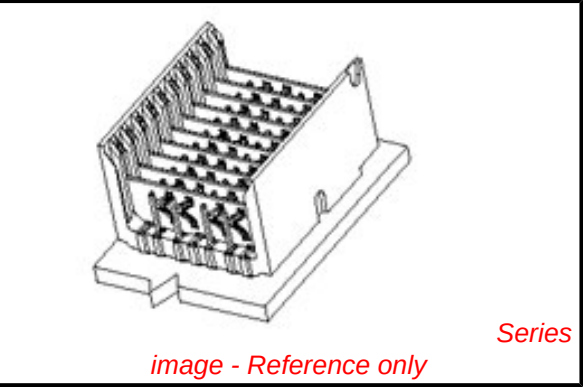
Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Open Module, 36 Circuits, Gold (Au) Selective 1.27µm (50µ"), Pin Length 5.15mm (.203")



Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

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)	36
Circuits (maximum)	36
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	9
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)	50
Plating min: Mating (µm)	1.25
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

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

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
Insertor Repair Tool	

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

Material Info

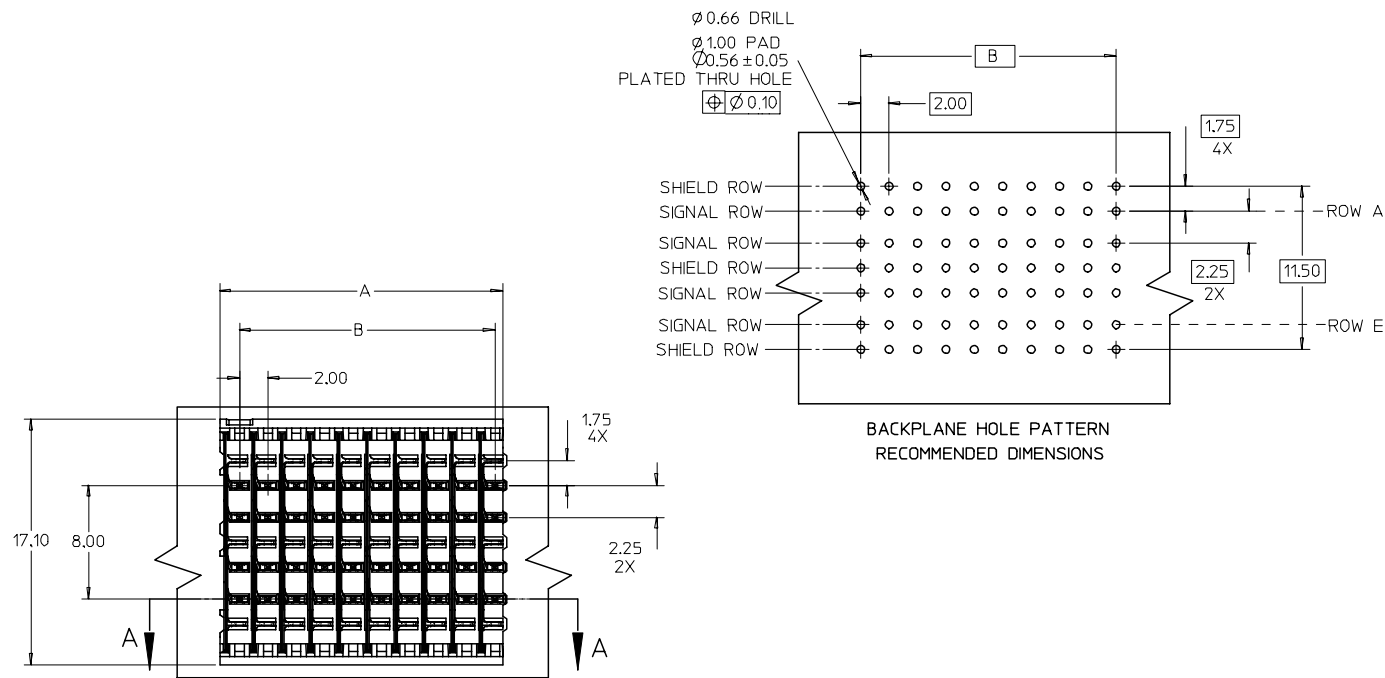
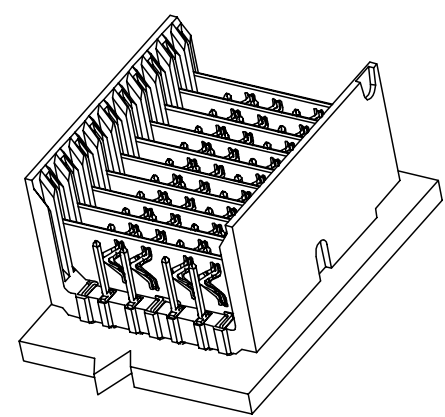
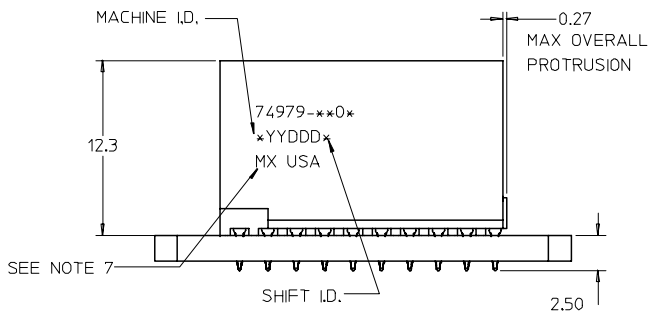
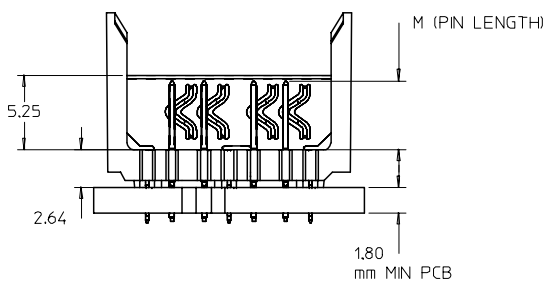
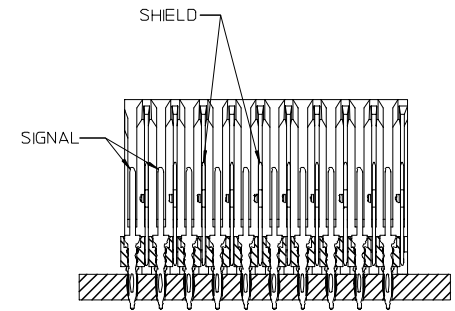
Reference - Drawing Numbers

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°

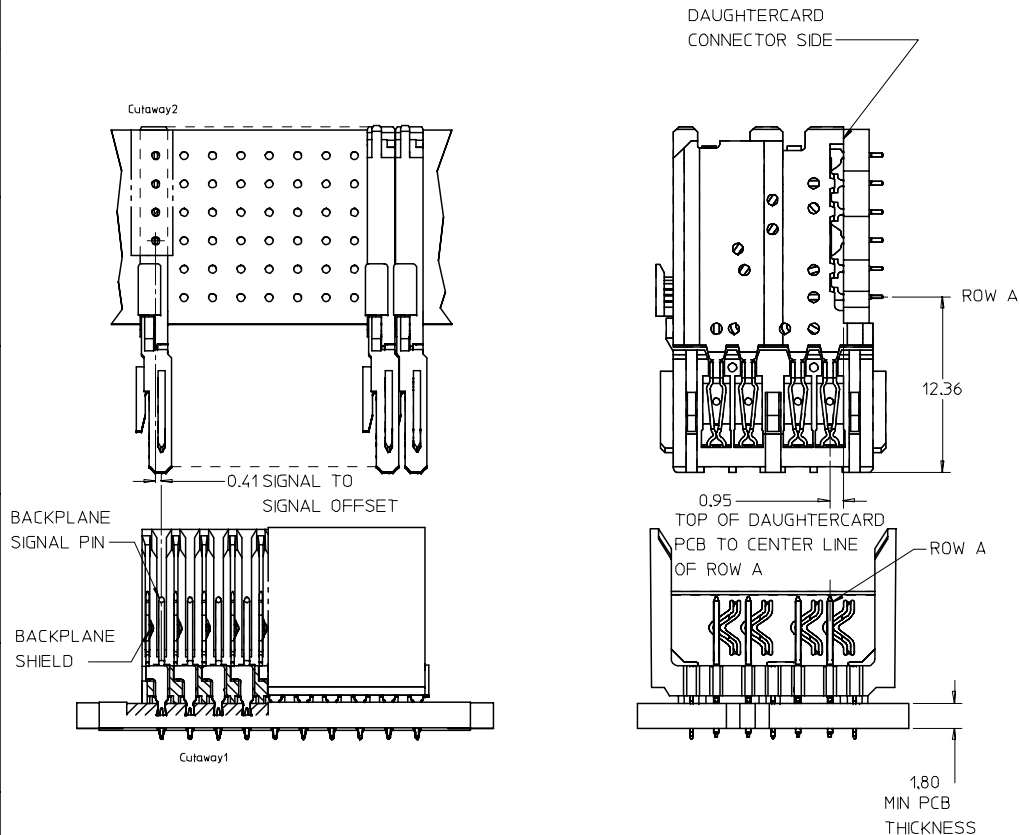
- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR - BLACK. SIGNAL AND SHIELD - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES:
 CONTACT AREA: SELECTIVE GOLD (Au)
 PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn) NICKEL (Ni) OVERALL.
 3. THIS PART 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 APP: SREED 2005/08/11	DESCRIPTION	QUALITY SYMBOLS <div>▽ = 0</div> <div>▽ = 0</div>	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			
			4 PLACES ± --- ± ---		DRAWN BY NMARTIN	DATE 2002/05/03	MOLEX INCORPORATED			
			3 PLACES ± --- ± ---		CHECKED BY SREED	DATE 2002/05/03				
2 PLACES ± --- ± ---		APPROVED BY CBIXLER		DATE 2002/05/03	MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
1 PLACE ± --- ± ---		DRAFT WHERE APPLICABLE		SEE SHEET 2		SD-74979-010	1 OF 2			
ANGULAR ± --- °		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				C		

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

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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 ▽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