

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0746972609](#)
Status: **Active**
Overview: [vhdm__hsd](#)
Description: 2.00mm (.079") Pitch 5-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield Pin End Version, Advanced Mate Shield, 100 Circuits, Pin Length 5.15mm (.203")

Documents:

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

Agency Certification

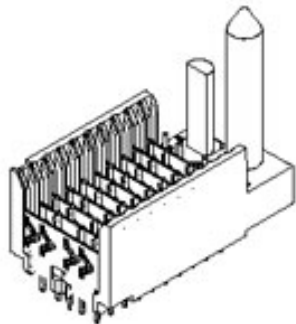
CSA LR19980

General

Product Family	Backplane Connectors
Series	74697
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
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
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA), Stainless Steel
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	5
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



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

[74697Series](#)

Mates With

[74670 HSD 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® 5 Row Pin and Shield Repair Tool	0622015810
VHDM® 5 Row Shield Extraction Tool	0622016010
VHDM-HSD™ Signal Header, 5 Row by 25 Wide, 50.00mm (1.97")	0622020202

Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

Data Rate

5.0 Gbps

Real Signals (per 25mm)

48

Voltage - Maximum

120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-74696-003

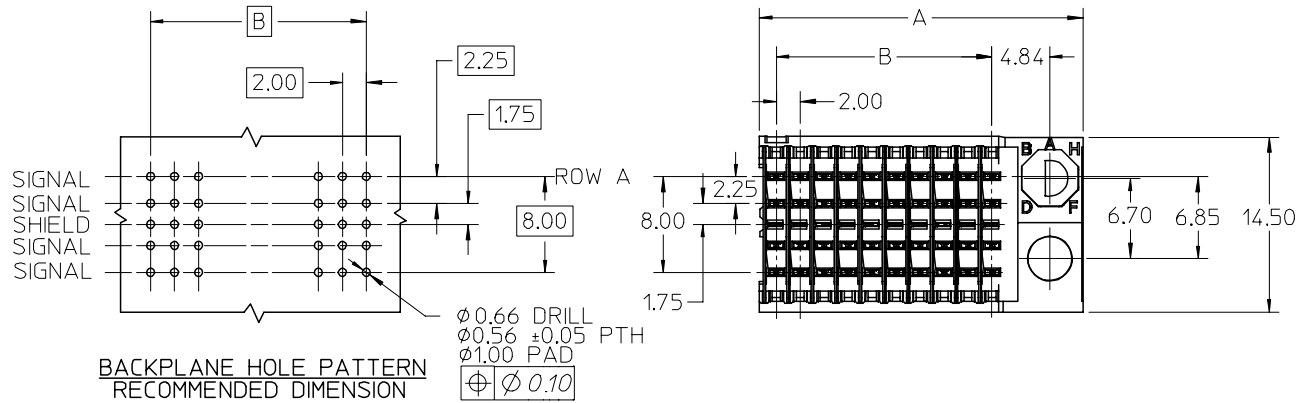
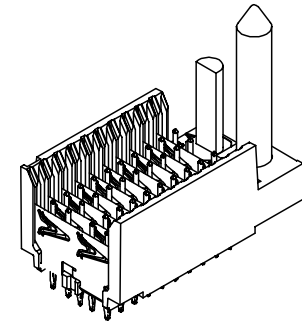
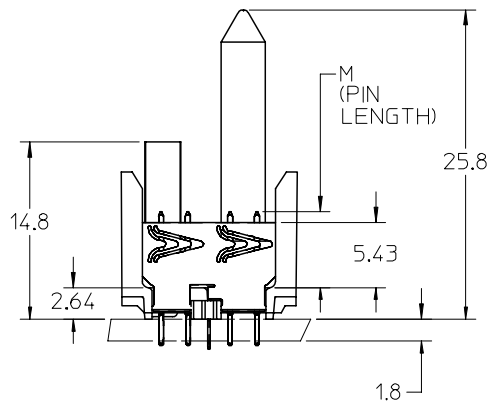
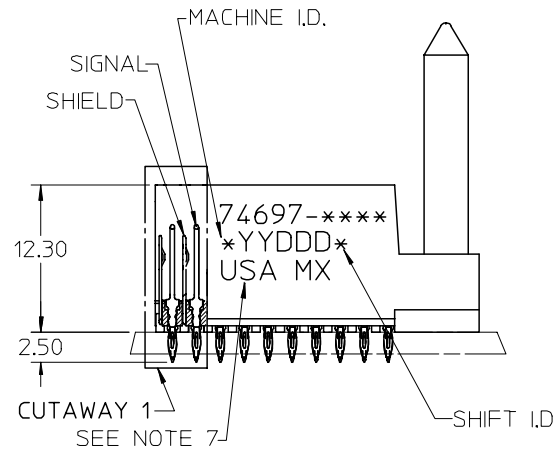
Sales Drawing

SD-74697-003

VHDM-HSD is a trademark of Amphenol Corporation

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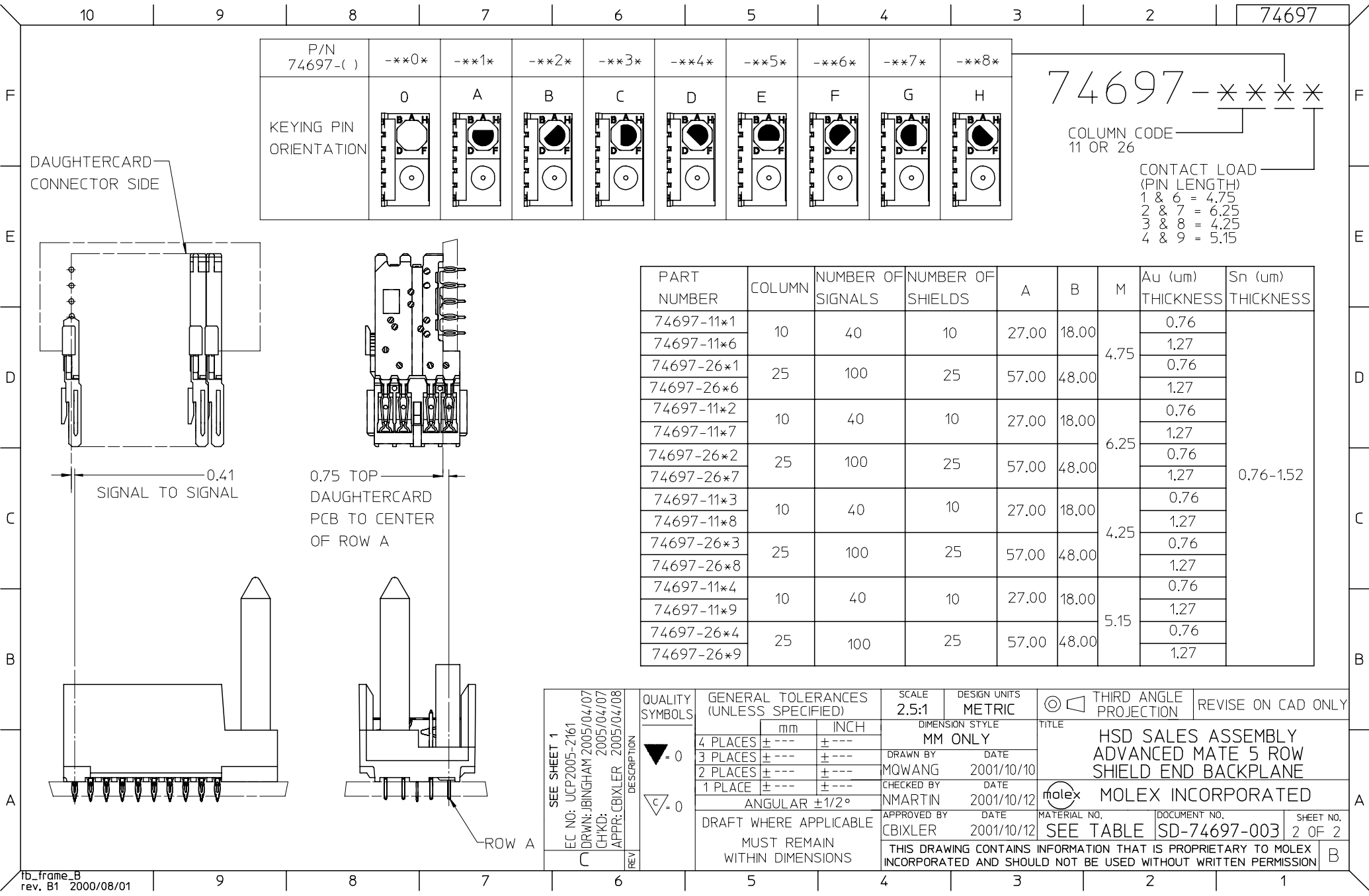
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NOTES:

1. MATERIAL: HOUSING -LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL 94 V-0. COLOR: BLACK.
SIGNAL & SHIELD -COPPER ALLOY.
2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA,
SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, 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-74696-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY
WHERE SHOWN OR PLACE LABEL ON THE TUBE.

REVISED - PLATING NOTE EC NO: UCP2005-2161 DRWN: JINGHAM 2005/04/07 CHKD: 2005/04/07 APPR: CBIXLER 2005/04/08	DESCRIPTION	QUALITY SYMBOLS <div>▽ = 0</div> <div>▽ = 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
			mm	INCH	DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY ADVANCED MATE 5 ROW SHIELD END BACKPLANE				
			4 PLACES	± ---	± ---	DRAWN BY					DATE
			3 PLACES	± ---	± ---	MQWANG	2001/10/10	MOLEX INCORPORATED			
			2 PLACES	± ---	± ---	CHECKED BY	DATE				
			1 PLACE	± ---	± ---	NMARTIN	2001/10/12	MATERIAL NO. DOCUMENT NO. SHEET NO. SEE SHEET 2SD-74697-0031 OF 2			
ANGULAR ±1/2°		APPROVED BY		DATE							
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				B		



P/N 74697-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H

74697-****

COLUMN CODE
11 OR 26

CONTACT LOAD
(PIN LENGTH)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15

PART NUMBER	COLUMN	NUMBER OF SIGNALS	NUMBER OF SHIELDS	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74697-11*1	10	40	10	27.00	18.00	4.75	0.76	0.76-1.52
74697-11*6							1.27	
74697-26*1	25	100	25	57.00	48.00	4.75	0.76	
74697-26*6							1.27	
74697-11*2	10	40	10	27.00	18.00	6.25	0.76	
74697-11*7							1.27	
74697-26*2	25	100	25	57.00	48.00	6.25	0.76	
74697-26*7							1.27	
74697-11*3	10	40	10	27.00	18.00	4.25	0.76	
74697-11*8							1.27	
74697-26*3	25	100	25	57.00	48.00	4.25	0.76	
74697-26*8							1.27	
74697-11*4	10	40	10	27.00	18.00	5.15	0.76	
74697-11*9							1.27	
74697-26*4	25	100	25	57.00	48.00	5.15	0.76	
74697-26*9							1.27	

SEE SHEET 1 EC NO: UCP2005-2161 DRWN: JINGHAM 2005/04/07 CHKD: 2005/04/07 APPR: CBXLER 2005/04/08	QUALITY SYMBOLS ▽ - 0 ▽ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 2.5:1 DESIGN UNITS METRIC DIMENSION STYLE MM ONLY DRAWN BY MQWANG DATE 2001/10/10 CHECKED BY NMARTIN DATE 2001/10/12 APPROVED BY CBXLER DATE 2001/10/12	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE HSD SALES ASSEMBLY ADVANCED MATE 5 ROW SHIELD END BACKPLANE MOLEX INCORPORATED MATERIAL NO. SEE TABLE DOCUMENT NO. SD-74697-003 SHEET NO. 2 OF 2