

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0746971104](#)
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, 40 Circuits, Pin Length 5.15mm (.203")

Documents:

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

Agency Certification

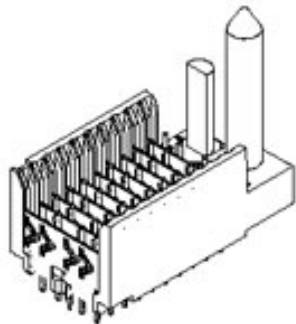
CSA LR19980

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) 40
Circuits (maximum) 40
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 10
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 Not Reviewed
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

[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 10 Wide, 20.00mm (.787")	0622020201

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

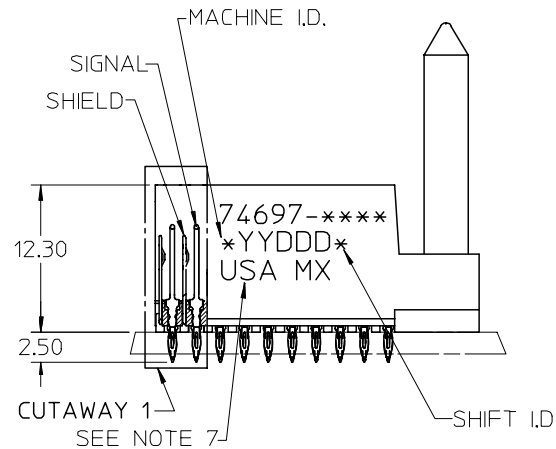
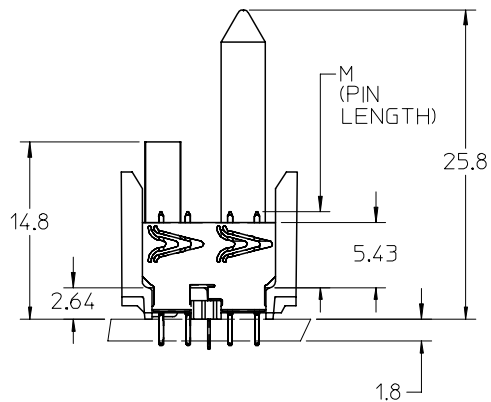
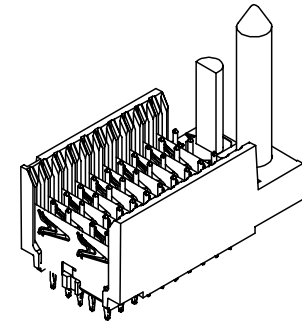
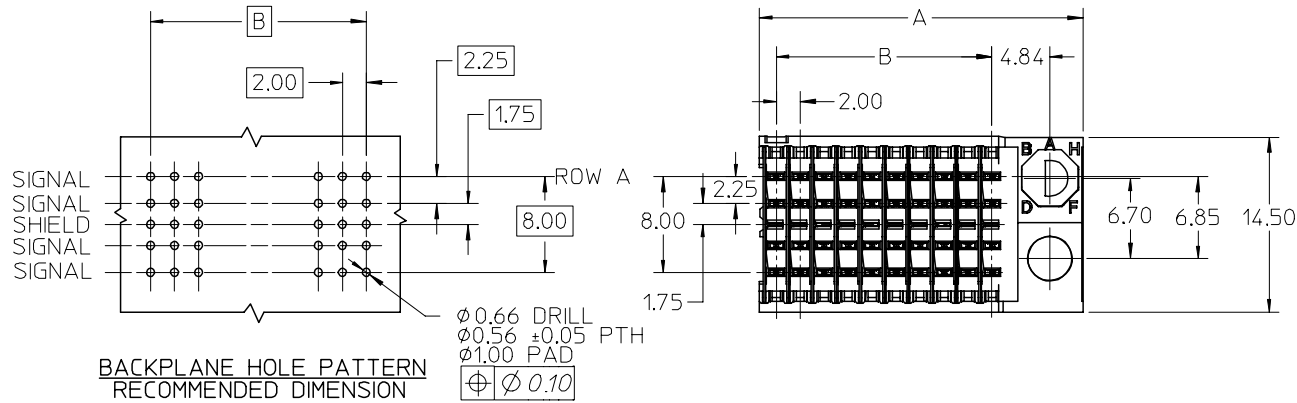
Sales Drawing

SD-74697-003

VHDM-HSD is a trademark of Amphenol Corporation

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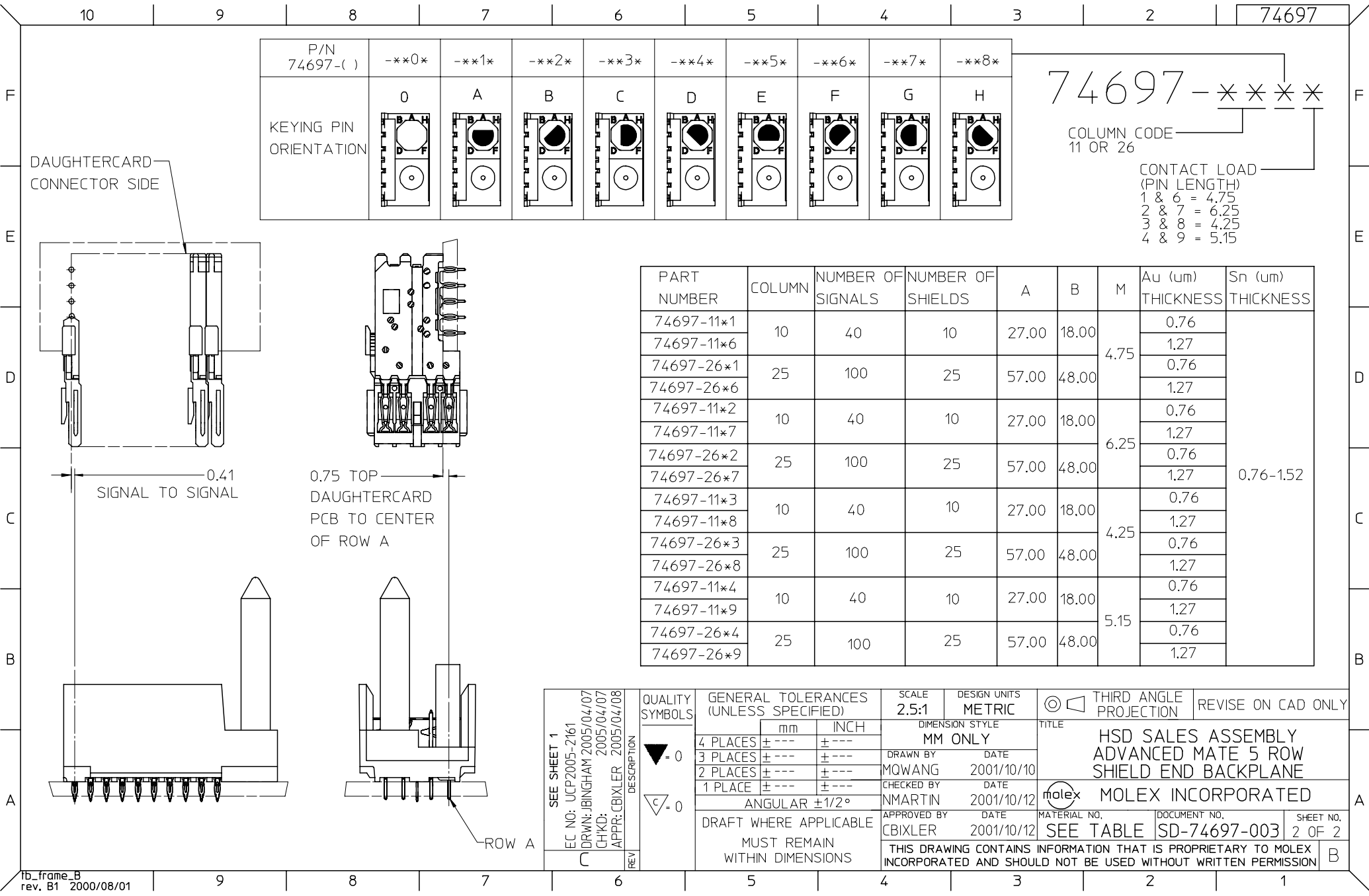
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NOTES:

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	QUALITY SYMBOLS ▽ = 0 ◻ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 2.5:1		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY							
			mm		INCH			DIMENSION STYLE MM ONLY							
			4 PLACES		± --- ± ---			DRAWN BY		DATE					
			3 PLACES		± --- ± ---			MQWANG		2001/10/10					
			2 PLACES		± --- ± ---			CHECKED BY		DATE					
			1 PLACE		± --- ± ---			NMARTIN		2001/10/12					
			ANGULAR		± 1/2°			APPROVED BY		DATE					
			DRAFT WHERE APPLICABLE		CBIXLER			2001/10/12		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			MUST REMAIN WITHIN DIMENSIONS							SEE SHEET 2		SD-74697-003		1 OF 2	



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		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		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		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		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

DESCRIPTION

REV

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

DATE

MQWANG 2001/10/10

CHECKED BY

DATE

NMARTIN 2001/10/12

APPROVED BY

DATE

CBXLER 2001/10/12

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

THIRD ANGLE
PROJECTION

REVISE ON CAD ONLY

TITLE

HSD SALES ASSEMBLY
ADVANCED MATE 5 ROW
SHIELD END BACKPLANE

MATERIAL NO.

DOCUMENT NO.

SHEET NO.

SEE TABLE SD-74697-003 2 OF 2

MOLEX

MOLEX INCORPORATED



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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