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Part Number: [0746971012](#)
Status: **Active**
Overview: [vhdm__hsd](#)
Description: 2.00mm (.079") Pitch 5-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield End Version, 40 Circuits, Pin Length 6.25mm (.246")

Documents:

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

Agency Certification

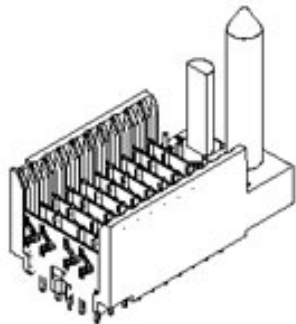
CSA LR19980

General

Product Family Backplane Connectors
Series [74697](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Keying Position A
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 Yes
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
Termination Interface: Style Through Hole - Compliant Pin



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® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® 5 Row Pin	0622015810
and Shield Repair Tool	
VHDM® 5 Row	0622016010
Shield Extraction Tool	
VHDM-HSD™ Signal	0622020201
Header, 5 Row by	

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Real Signals (per 25mm)	48
Voltage - Maximum	120V AC (RMS)/DC

10 Wide, 20.00mm
(.787")

Material Info

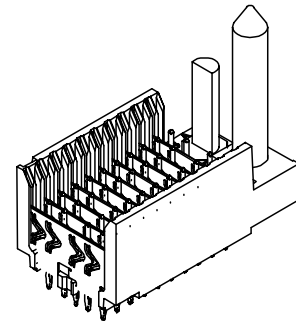
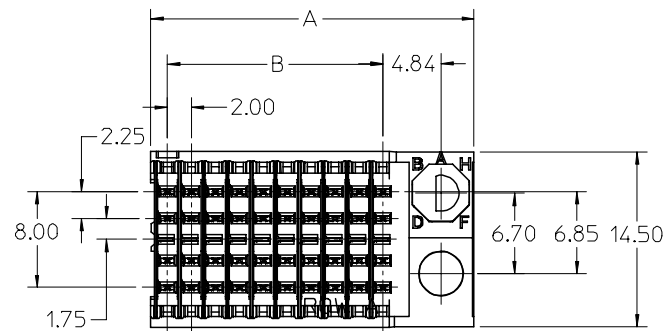
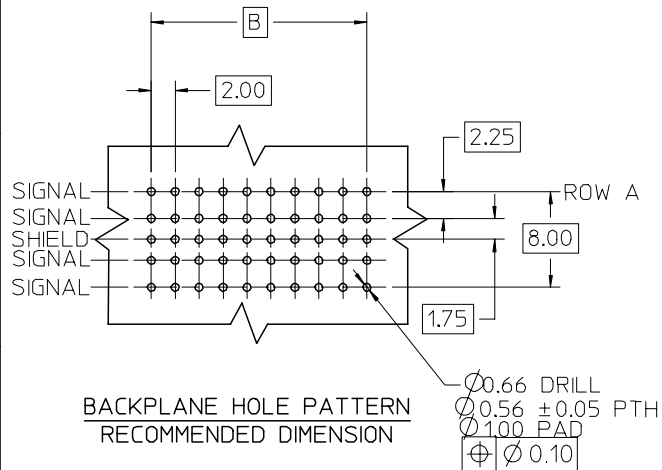
Reference - Drawing Numbers

Packaging Specification	PK-74696-003
Sales Drawing	SD-74697-002

VHDM-HSD is a trademark of Amphenol Corporation

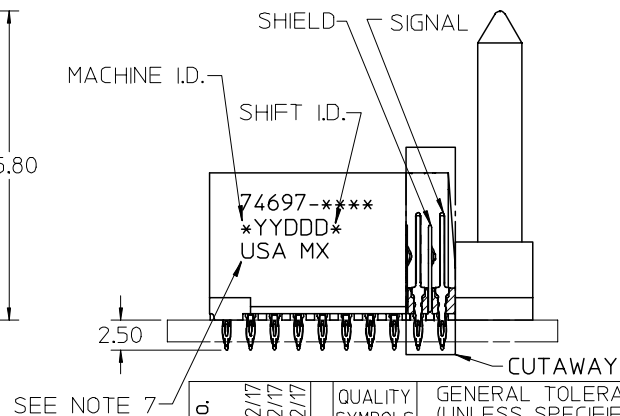
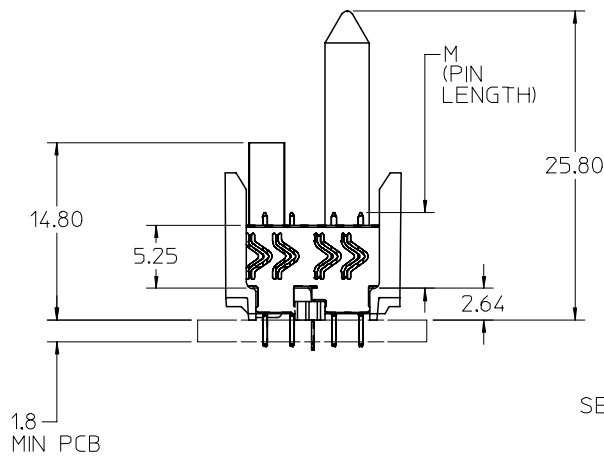
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NOTES:

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) OR SELECTIVE MATTE TIN (Sn) ON PCB 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.



ADDED LEAD-FREE INFO. EC NO: UCP2006-4744 DRWN: C THOMAS 2006/02/17 CHKD: BINGHAM 2006/02/17 APPR: KMULVEY 2006/02/17	DESCRIPTION	QUALITY SYMBOLS ▽-0 ▽C-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			TITLE		
			4 PLACES	± ---	± ---	DRAWN BY		DATE	HSD SALES ASSEMBLY 5 ROW SHIELD END BACKPLANE	
			3 PLACES	± ---	± ---	QWANG		2001/04/17		
			2 PLACES	± ---	± ---	CHECKED BY		DATE	MOLEX INCORPORATED	
1 PLACE	± ---	± ---	NMARTIN	2001/04/20						
□	REV		ANGULAR ±1/2°		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE		CBIXLER	2001/04/20	SEE SHT.2&3	SD-74697-002	1 OF 3	
			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-()

KEYING PIN
ORIENTATION

0

***1-
A

***2-
B

***3-
C

***4-
D

***5-
E

***6-
F

***7-
G

***8-
H

0.41

SIGNAL TO
SIGNAL

0.75

TOP
DAUGHTERCARD
PCB TO CENTER
OF ROW A

ROW A

74697-****

NUMBER OF COLUMNS/PLATING

05 = 05 COLUMN TIN/LEAD

10 = 10 COLUMN TIN/LEAD

25 = 25 COLUMN TIN/LEAD

95 = 05 COLUMN MATTE TIN

90 = 10 COLUMN MATTE TIN

85 = 25 COLUMN MATTE TIN

CONTACT LOAD
(PIN LENGTH)

1 & 6 = 4.75

2 & 7 = 6.25

3 & 8 = 4.25

4 & 9 = 5.15

ADDED LEAD-FREE INFO.
EC NO: UCP2006-1744
DRWN:CTHOMAS 2006/02/17
CHKD:JBINGHAM 2006/02/17
APPR:KMULVEY 2006/02/17

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

CHECKED BY
NMARTIN

APPROVED BY
CBIXLER

DATE
2001/04/17

DATE
2001/04/20

DATE
2001/04/20

THIRD ANGLE
PROJECTION

REVISE ON CAD ONLY

TITLE
HSD SALES ASSEMBLY
5 ROW SHIELD END
BACKPLANE

MOLEX

MOLEX INCORPORATED

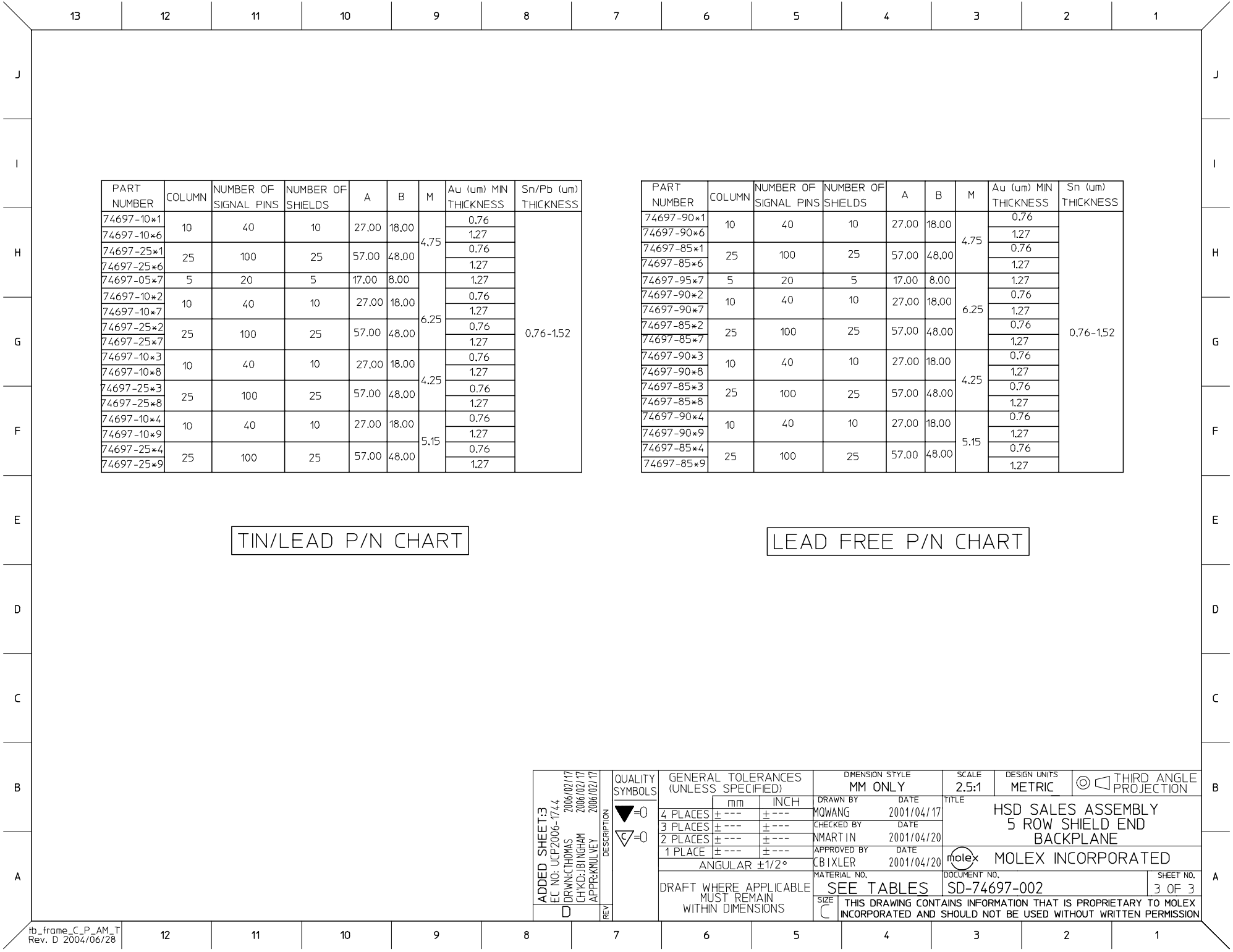
MATERIAL NO.
SEE TABLES

DOCUMENT NO.
SD-74697-002

SHEET NO.
2 OF 3

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tb_frame_B
rev. B1 2000/08/01





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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