

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0746491104
Status: Active
Overview: vhdm__hsd
Description: 2.00mm (.079") Pitch 8-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Open End Version, Advanced Mate Shield, 80 Circuits

Documents:

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

Agency Certification

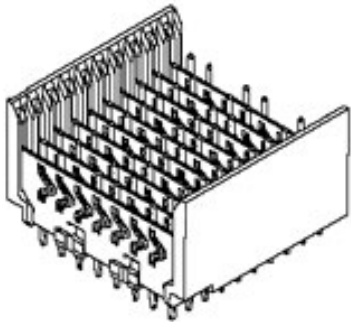
CSA LR19980

General

Product Family Backplane Connectors
Series 74649
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) 80
Circuits (maximum) 80
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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 8
Orientation Vertical
PC Tail Length (in) 0.098 In
PC Tail Length (mm) 2.50 mm
PCB Locator No
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
Pitch - Term. Interface (in) 0.079 In
Pitch - Term. 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



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

74649Series

Mates With

HSD Daughtercards [74680](#) , [74686](#)

Use With

Daughtercard Modules

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® Insertion 0622020205
Module for Advanced
Mate Signal Header,
8 Row by 10 Wide,
20.00mm (.787")

Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Real Signals (per 25mm)	100
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	250V

Material Info

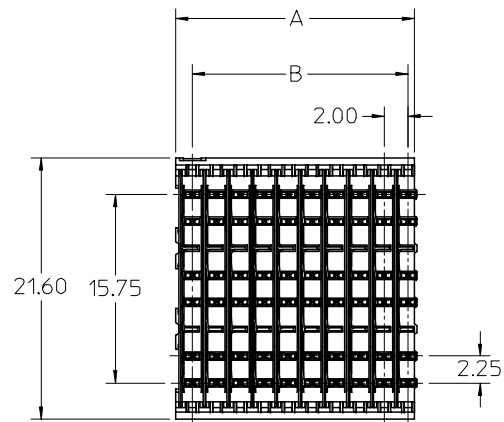
Reference - Drawing Numbers

Packaging Specification	PK-74060-003
Sales Drawing	SD-74649-003

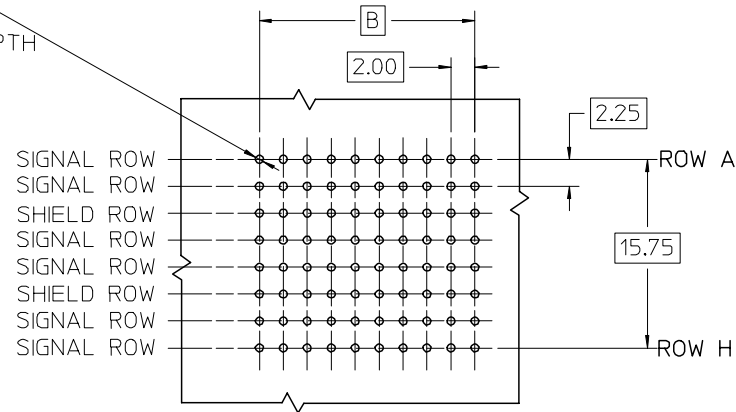
VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/27/2010

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$\varnothing 0.66$ DRILL
 $\varnothing 0.56 \pm 0.05$ PTH
 $\varnothing 1.00$ PAD
 $\varnothing 0.10$



BACKPLANE HOLE PATTERN RECOMMENDED DIMENSION

NOTES:

1. MATERIAL:

HOUSING -LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED. UL 94V-0. COLOR BLACK. SIGNAL PIN & 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.

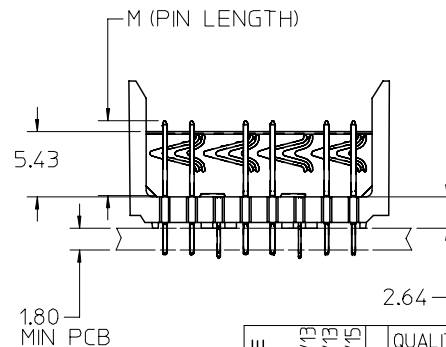
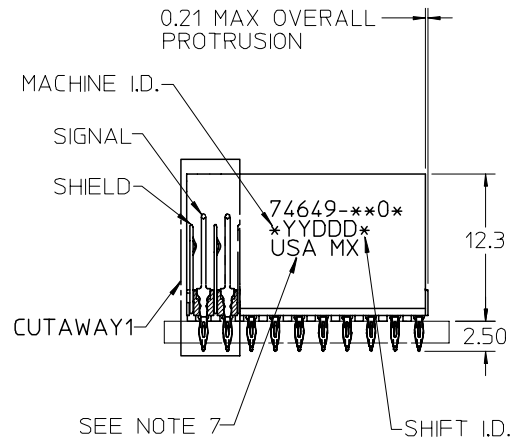
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.

4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY.

5. FOR SPECIFIC PART NUMBERS AND MATING INFORMATION REFER TO SHEET 2.

6. PACKAGE PER PK-74060-003.

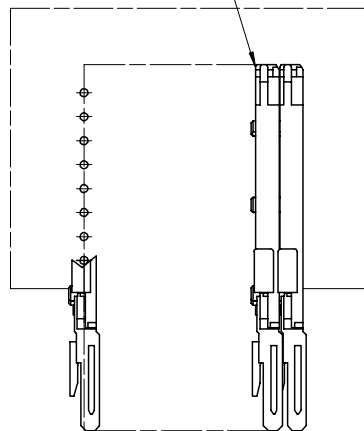
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.



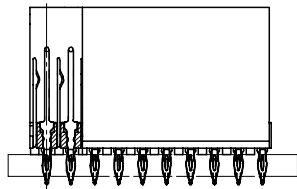
REVISED - PLATING NOTE EC NO: UCP2006-0051 DRWN: KMULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
				DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 8 ROW ADVANCED MATE OPEN END BACKPLANE			
				DRAWN BY DATE					
		4 PLACES ± --- ± ---		MQWANG 2001/05/21		MOLEX MOLEX INCORPORATED			
		3 PLACES ± --- ± ---		CHECKED BY DATE					
		2 PLACES ± --- ± ---		JLAURX 2001/05/25		MATERIAL NO. DOCUMENT NO. SHEET NO. 1 OF 2			
		1 PLACE ± --- ± ---		APPROVED BY DATE					
		ANGULAR ±1/2°		CBIXLER 2001/05/25		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE							
		MUST REMAIN WITHIN DIMENSIONS							
		B							

10 9 8 7 6 5 4 3 2 74649

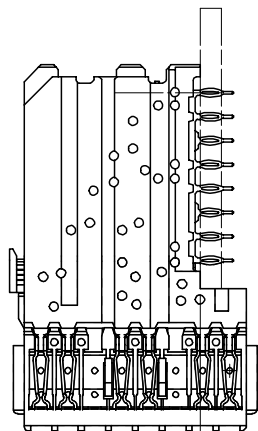
DAUGHTERCARD
CONNECTOR SIDE



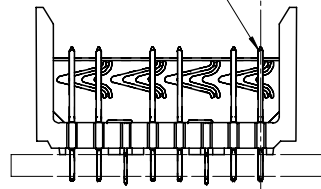
0.41 OFFSET
SIGNAL TO SIGNAL



2.45
TOP DAUGHTERCARD PCB
TO CENTER LINE OF ROW A



ROW A



MATERIAL NUMBER ASSIGNMENT

74649-XXYY

SEE TABLE

11 = 10 COLUMN TIN/LEAD

26 = 25 COLUMN TIN/LEAD

91 = 10 COLUMN MATTE TIN

86 = 25 COLUMN MATTE TIN

PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) MIN THICKNESS	Sn (um) THICKNESS
74649-*101	10	60	10	20.00	18.00	4.75	0.76	0.76-1.52
74649-*106							1.27	
74649-*601	25	150	25	50.00	48.00		0.76	
74649-*606							1.27	
74649-*102	10	60	10	20.00	18.00	6.25	0.76	
74649-*107							1.27	
74649-*602	25	150	25	50.00	48.00		0.76	
74649-*607							1.27	
74649-*103	10	60	10	20.00	18.00	4.25	0.76	
74649-*108							1.27	
74649-*603	25	150	25	50.00	48.00		0.76	
74649-*608							1.27	
74649-*104	10	60	10	20.00	18.00	5.15	0.76	
74649-*109							1.27	
74649-*604	25	150	25	50.00	48.00		0.76	
74649-*609							1.27	

SEE SHEET 1 EC NO: UCP2006-0051 DRAWN: K MULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
					DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 8 ROW ADVANCED MATE OPEN END BACKPLANE					
			4 PLACES	± --- ± ---	DRAWN BY MQWANG						DATE 2001/05/21	
			3 PLACES	± --- ± ---	CHECKED BY JLAURX		DATE 2001/05/25		MOLEX INCORPORATED			
			2 PLACES	± --- ± ---	APPROVED BY CBIXLER		DATE 2001/05/25					
 0	 0	REV	ANGULAR ±1/2°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74649-003		SHEET NO. 2 OF 2			
			DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			MUST REMAIN WITHIN DIMENSIONS		B							

8 7 6 5 4 3 2 1



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.);

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- 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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