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Part Number:

0746951001

Status:

Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 5-Row VHDM-HSD™ Backplane Header, Open Module, 40 Circuits, Pin Length 4.75mm (.187")

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19880

General	
Product Family	Backplane Connectors
Series	74695
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)	40
Circuits (maximum)	40
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	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	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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

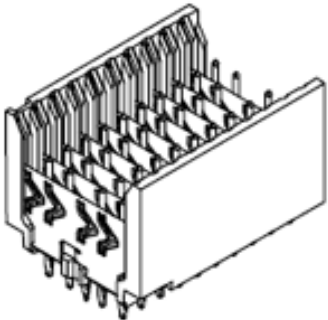


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

74695Series

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

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

10 Wide, 20.00mm
(.787")

Material Info

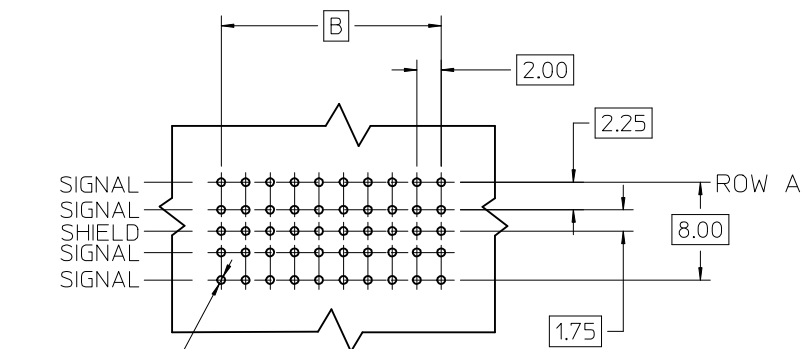
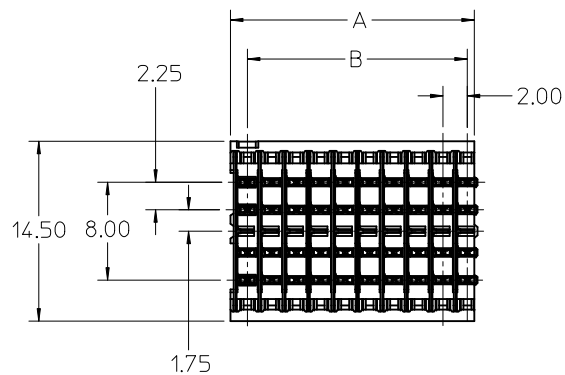
Reference - Drawing Numbers

Packaging Specification	PK-74695-003
Sales Drawing	SD-74695-002

VHDM-HSD is a trademark of Amphenol Corporation

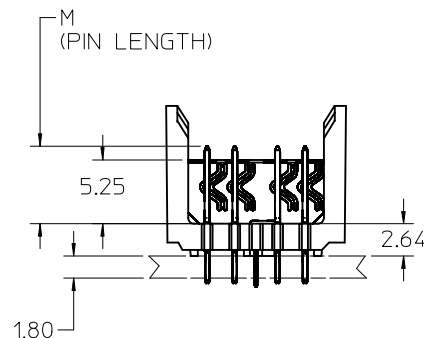
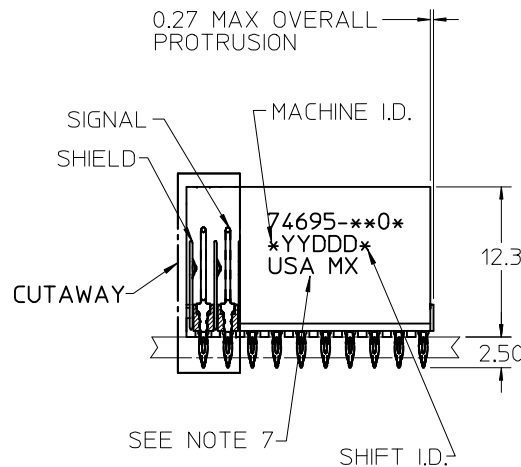
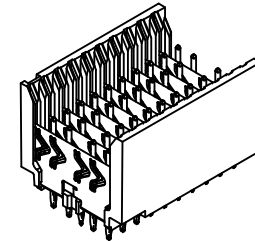
This document was generated on 06/08/2010

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

BACKPLANE HOLE PATTERN RECOMMENDED DIMENSION



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-74695-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.

REVISED: ADD LEAD-FREE EC NO: UCP2006-4727 DRWN:CTHOMAS 2006/02/16 CHKD:JBINGHAM 2006/02/16 APPR:KMULVEY 2006/02/16	DESCRIPTION	QUALITY SYMBOLS -0 -0	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 5 ROW OPEN END BACKPLANE		
			4 PLACES	± --- ± ---	DRAWN BY MQWANG	DATE 2001/04/11			
			3 PLACES	± --- ± ---	CHECKED BY NMARTIN	DATE 2001/04/14	MOLEX MOLEX INCORPORATED		
			2 PLACES	± --- ± ---	APPROVED BY CBIXLER	DATE 2001/04/14			
			1 PLACE	± --- ± ---	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	
D	REV								

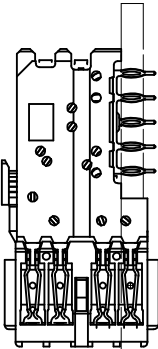
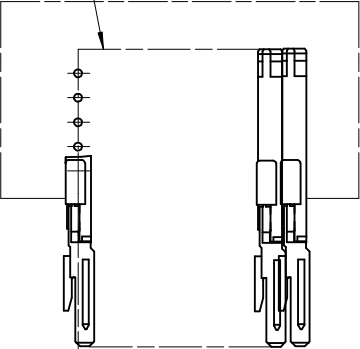
MATERIAL NUMBER ASSIGNMENT

74695-**-** SEE TABLES (SHEET 3)

- NUMBER OF COLUMNS/PLATING
- 10 = 10 COLUMN TIN/LEAD
 - 12 = 12 COLUMN TIN/LEAD
 - 15 = 15 COLUMN TIN/LEAD
 - 25 = 25 COLUMN TIN/LEAD
 - 90 = 10 COLUMN MATTE TIN
 - 92 = 12 COLUMN MATTE TIN
 - 95 = 15 COLUMN MATTE TIN
 - 85 = 25 COLUMN MATTE TIN

REVISED: ADD LEAD-FREE	EC NO: UCP2006-1727	DRWN:CTHOMAS 2006/02/16	CHKD:JBINGHAM 2006/02/16	APPR:KMULVEY 2006/02/16	D	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
							▽-0 ▽-0	▽-0	mm INCH		DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 5 ROW OPEN END BACKPLANE			
									4 PLACES ± --- ± ---	DRAWN BY DATE						
									3 PLACES ± --- ± ---	MQWANG 2001/04/11						
									2 PLACES ± --- ± ---	CHECKED BY DATE						
									1 PLACE ± --- ± ---	NMARTIN 2001/04/14		MOLEX MOLEX INCORPORATED				
							ANGULAR ±1/2°		APPROVED BY DATE		MATERIAL NO.				DOCUMENT NO.	SHEET NO.
							DRAFT WHERE APPLICABLE		CBIXLER 2001/04/14		SEE TABLES		SD-74695-002	2 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

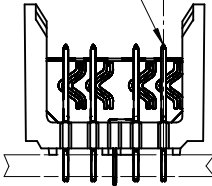
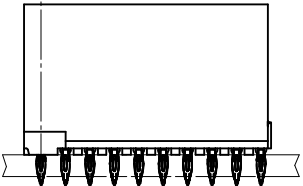
DAUGHTERCARD
CONNECTOR SIDE



0.41
SIGNAL TO
SIGNAL

0.75
TOP
DAUGHTERCARD
PCB TO CENTER
OF ROW A

ROW A



PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) THICKNESS	Sn/Pb (um)
74695-1001	10	40	10	20.00	18.00	4.75	0.76	0.76-1.52
74695-1006							1.27	
74695-1201	12	48	12	24.00	22.00		0.76	
74695-1206							1.27	
74695-2501	25	100	25	50.00	48.00		0.76	
74695-2506							1.27	
74695-1002	10	40	10	20.00	18.00	6.25	0.76	
74695-1007							1.27	
74695-1202	12	48	12	24.00	22.00		0.76	
74695-1207							1.27	
74695-2502	25	100	25	50.00	48.00		0.76	
74695-2507							1.27	
74695-1003	10	40	10	20.00	18.00	4.25	0.76	
74695-1008							1.27	
74695-1203	12	48	12	24.00	22.00		0.76	
74695-1208							1.27	
74695-2503	25	100	25	50.00	48.00		0.76	
74695-2508							1.27	
74695-1004	10	40	10	20.00	18.00	5.15	0.76	
74695-1009							1.27	
74695-1204	12	48	12	24.00	22.00		0.76	
74695-1209							1.27	
74695-2504	25	100	25	50.00	48.00		0.76	
74695-2509							1.27	

TIN/LEAD CHART

PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um)
74695-9001	10	40	10	20.00	18.00	4.75	0.76	0.76-152
74695-9006							1.27	
74695-9501	12	48	12	24.00	22.00		0.76	
74695-9506							1.27	
74695-8501	25	100	25	50.00	48.00		0.76	
74695-8506							1.27	
74695-9002	10	40	10	20.00	18.00	0.76		
74695-9007						1.27		
74695-9502	12	48	12	24.00	22.00	0.76		
74695-9507						1.27		
74695-8502	25	100	25	50.00	48.00	0.76		
74695-8507						1.27		
74695-9003	10	40	10	20.00	18.00	0.76		
74695-9008						1.27		
74695-9503	12	48	12	24.00	22.00	0.76		
74695-9508						1.27		
74695-8503	25	100	25	50.00	48.00	0.76		
74695-8508						1.27		
74695-9004	10	40	10	20.00	18.00	0.76		
74695-9009						1.27		
74695-9504	12	48	12	24.00	22.00	0.76		
74695-9509						1.27		
74695-8504	25	100	25	50.00	48.00	0.76		
74695-8509						1.27		

LEAD FREE CHART

ADDED SHEET: 3

EC NO: UCP2006-1727

DRWN:CTHOMAS

CHKD:JBINGHAM

APPR:KMULVEY

2006/02/16

2006/02/16

2006/02/16

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

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE TABLES

SIZE

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

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

HSD SALES ASSEMBLY

5 ROW OPEN END BACKPLANE

MOLEX MOLEX INCORPORATED

DOCUMENT NO.

SD-74695-002

SHEET NO.

3 OF 3



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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Факс: 8 (812) 320-02-42

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