

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0751991003**
Status: **Active**
Overview: vhdm_hsd
Description: 2.00mm (.079") Pitch 8-Row VHDM® Lite Backplane Header, Guide Pin Signal Module, Shield End Version, 80 Circuits, Pin Length 4.25mm (.167")

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-74031-999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	75199
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm_hsd
Product Name	VHDM Lite®
Style	N/A

Physical

Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
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	8
Orientation	Vertical
PCB Retention	Yes
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

Electrical

Current - Maximum per Contact 1A

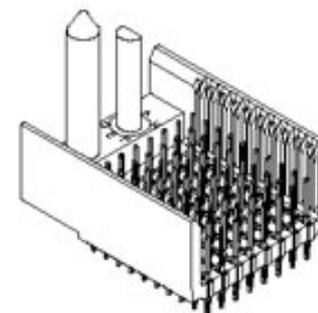


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
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

75199Series

Mates With

75191 VHDM® Lite-Series Board-to-Board Daughtercard

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® Signal Pin Inserter Repair Tool	0622015700
VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by	0622020209

Data Rate	622.0 Mbps
Real Signals (per 25mm)	76
Voltage - Maximum	120V AC (RMS)/DC

10 Wide, 20.00mm (.787")

Material Info

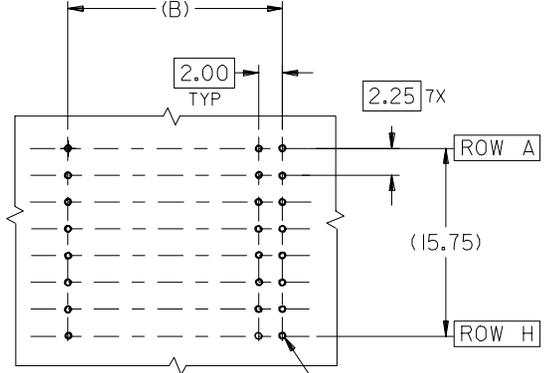
Reference - Drawing Numbers

Packaging Specification	PK-74061-003
Product Specification	PS-74031-999
Sales Drawing	SD-75199-001

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

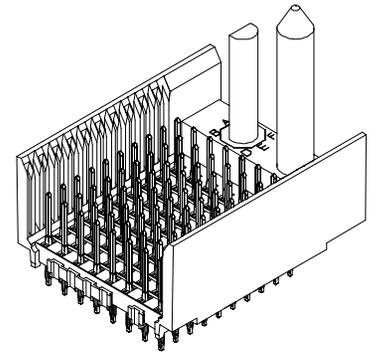
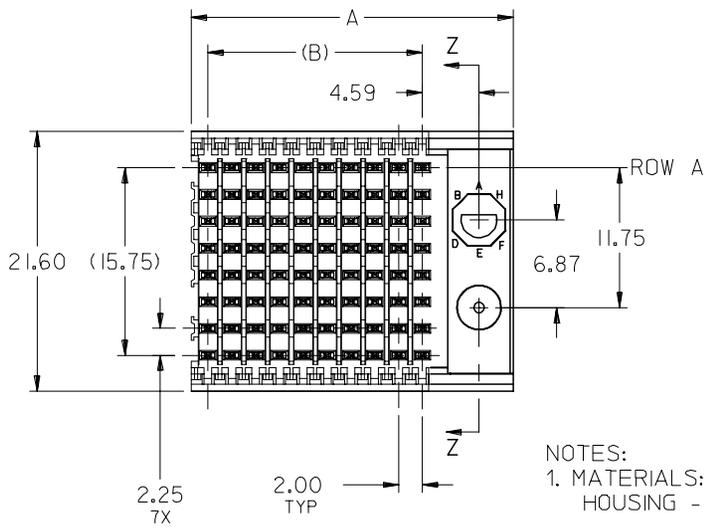
This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



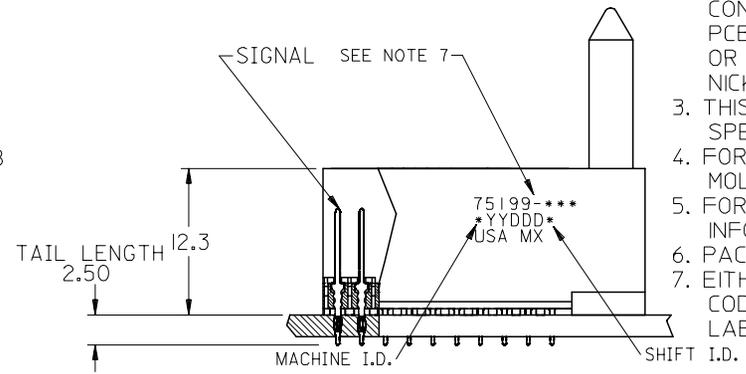
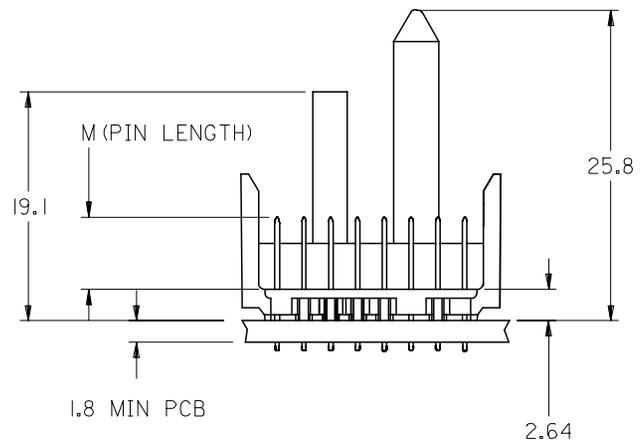
BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION

- Ø 0.56 ±0.05 PTH
- Ø 0.66 DRILL
- Ø 1.00 PAD
- ⊕ Ø 0.10



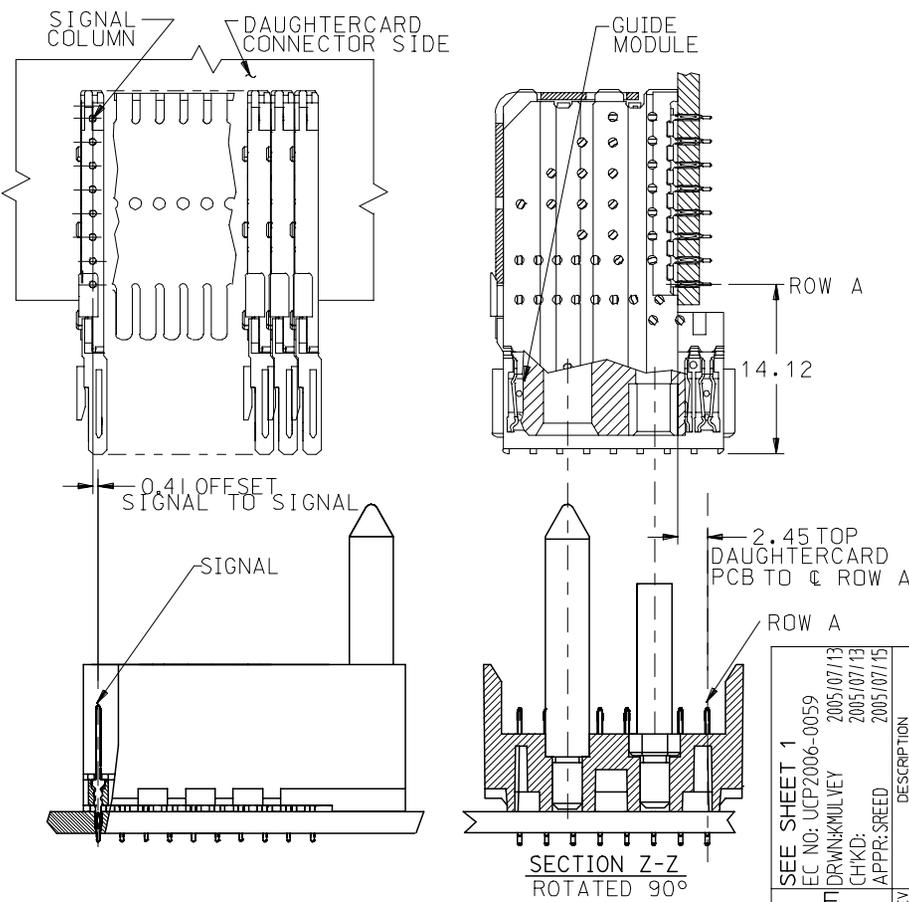
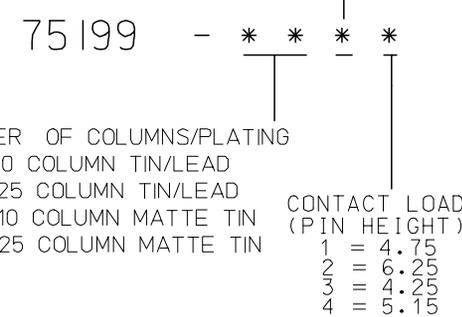
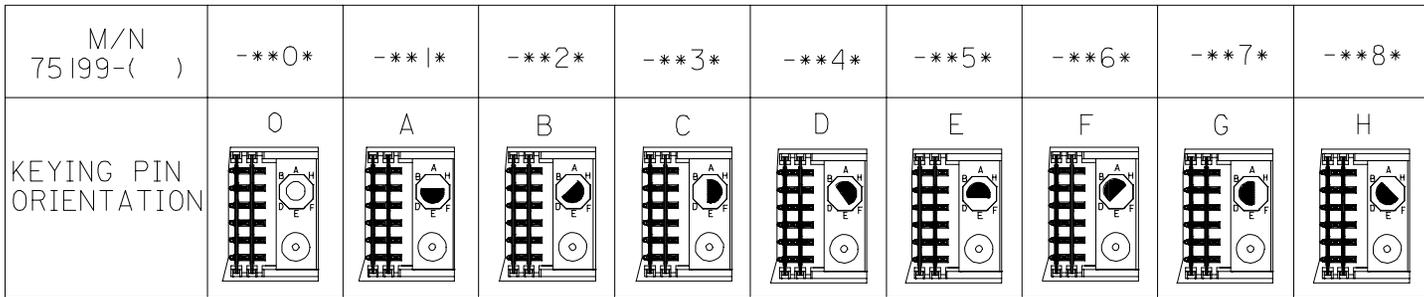
NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK
SIGNAL PIN - 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 LENGTHS CONSULT MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74061-003
7. EITHER MARK PART WITH PART NUMBER & DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.



ADD LEADFREE PINS EC NO: UCP2006-0059 DRWN: KMULVEY 2005/07/13 CHKD: 2005/07/13 APPR: SREED 2005/07/15	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
		$\nabla=0$ $\nabla=0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	MM ONLY	2.5:1	METRIC	
			mm	INCH																		
		4 PLACES	± ---	± ---																		
3 PLACES	± ---	± ---																				
2 PLACES	± ---	± ---																				
1 PLACE	± ---	± ---																				
	<table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2002/10/17</td> <td>MBANDURA</td> </tr> <tr> <td>2002/10/17</td> <td>CHECKED BY</td> </tr> <tr> <td>2002/10/17</td> <td>NMARTIN</td> </tr> <tr> <td>2002/10/17</td> <td>APPROVED BY</td> </tr> <tr> <td>2002/10/17</td> <td>CBIXLER</td> </tr> </tbody> </table>	DATE	BY	2002/10/17	MBANDURA	2002/10/17	CHECKED BY	2002/10/17	NMARTIN	2002/10/17	APPROVED BY	2002/10/17	CBIXLER	TITLE	VHDM LITE 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY							
DATE	BY																					
2002/10/17	MBANDURA																					
2002/10/17	CHECKED BY																					
2002/10/17	NMARTIN																					
2002/10/17	APPROVED BY																					
2002/10/17	CBIXLER																					
		ANGULAR ±1/2°	MATERIAL NO.	DOCUMENT NO.	MOLEX MOLEX INCORPORATED		SHEET NO.															
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2	SD-75199-001			1 OF 2															
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

10 9 8 7 6 5 4 3 2 1



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
75199-0*1	10	80	0	27.00	18.00	4.75	0.76	0.76-1.52
75199-5*1	25	200	0	57.00	48.00	4.75	0.76	
75199-0*2	10	80	0	27.00	18.00	6.25	0.76	
75199-5*2	25	200	0	57.00	48.00	6.25	0.76	
75199-0*3	10	80	0	27.00	18.00	4.25	0.76	
75199-5*3	25	200	0	57.00	48.00	4.25	0.76	
75199-0*4	10	80	0	27.00	18.00	5.15	0.76	
75199-5*4	25	200	0	57.00	48.00	5.15	0.76	

SEE SHEET 1

EC NO: UCP2006-0059
 DRW: KML/VEY 2005/07/13
 CHKD: 2005/07/13
 APPR: SREED 2005/07/15

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

SCALE
2.5:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

DRAWN BY: MBANDURA DATE: 2002/10/17
 CHECKED BY: NMARTIN DATE: 2002/10/17
 APPROVED BY: CBIXLER DATE: 2002/10/17

TITLE
VHDM LITE 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY

MATERIAL NO. SEE CHART
 DOCUMENT NO. SD-75199-001

SHEET NO. 2 OF 2

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

9 8 7 6 5 4 3 2 1

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9