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**Part Number:** [0751991004](#)  
**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 5.15mm (.203")

**Documents:**

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

**General**

|                               |                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                                             |
| Series                        | <a href="#">75199</a>                                                                            |
| Application                   | Backplane                                                                                        |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">TM-622010999.pdf</a> Tooling Manual |
| Comments                      | No Keying Position                                                                               |
| Component Type                | PCB Header                                                                                       |
| Overview                      | <a href="#">vhdm__hsd</a>                                                                        |
| 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 |
|-------------------------------|----|

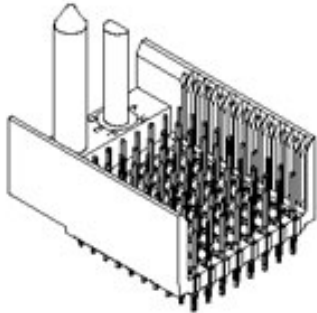


image - Reference only

Series

**EU RoHS**

**RoHS Compliant by Exemption**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**

**China RoHS**



**Not Reviewed**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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                                   | <a href="#">0622015700</a> |
| Insertor Repair Tool                               |                            |
| VHDM® Insertion                                    | <a href="#">0622020209</a> |
| Module for Standard Shield Signal Header, 8 Row by |                            |

Data Rate622.0 Mbps  
Real Signals (per 25mm)76  
Voltage - Maximum120V AC (RMS)/DC

10 Wide, 20.00mm  
(.787")

Material Info

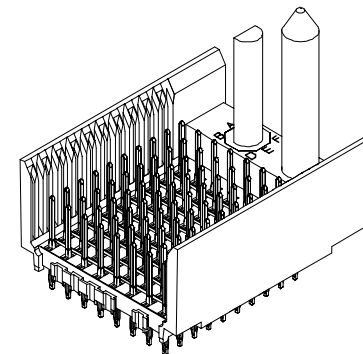
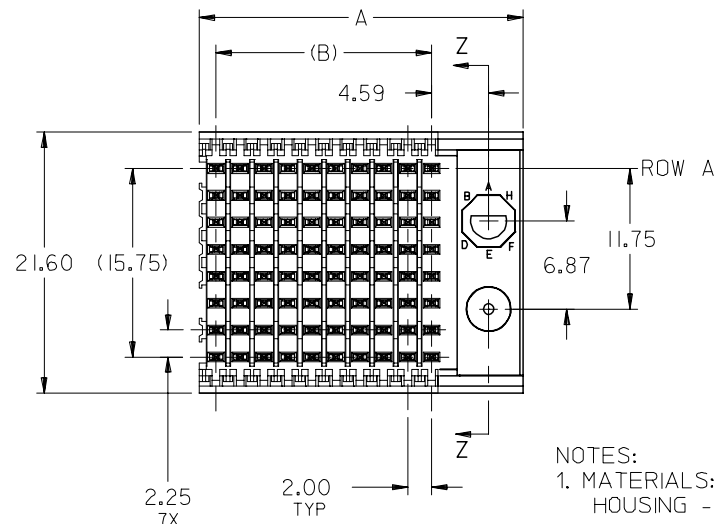
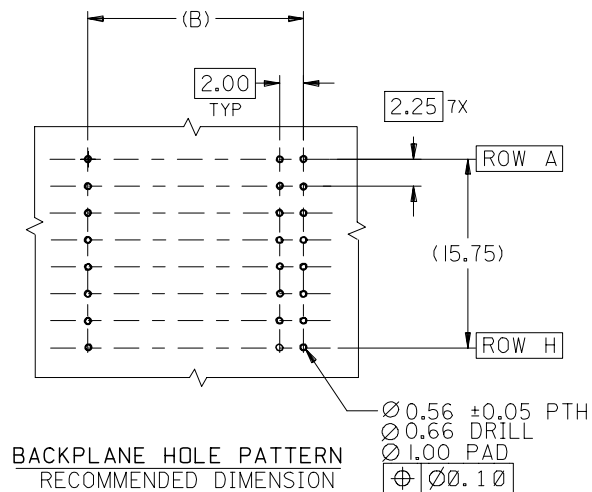
Reference - Drawing Numbers

Packaging SpecificationPK-74061-003  
Product SpecificationPS-74031-999  
Sales DrawingSD-75199-001

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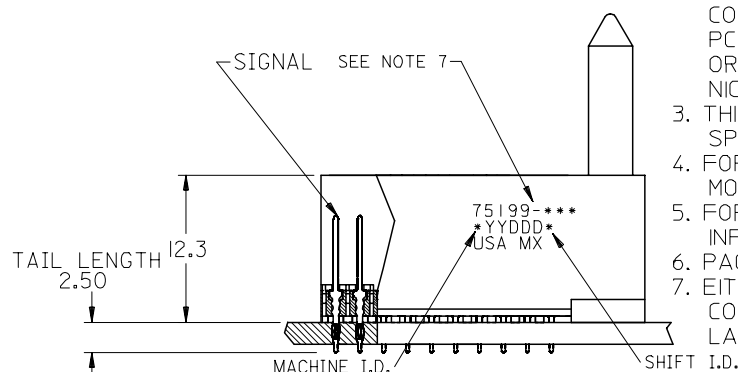
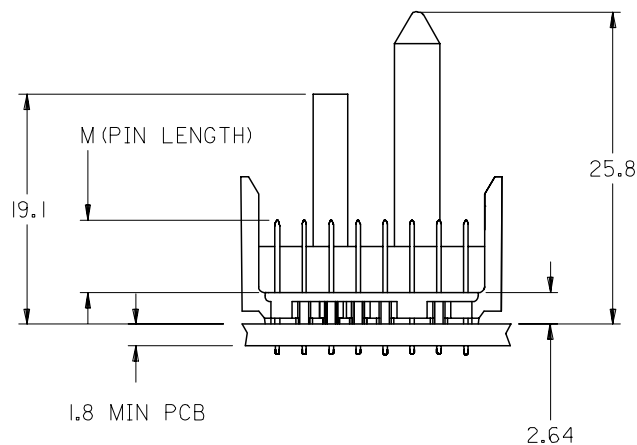
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#### NOTES:

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

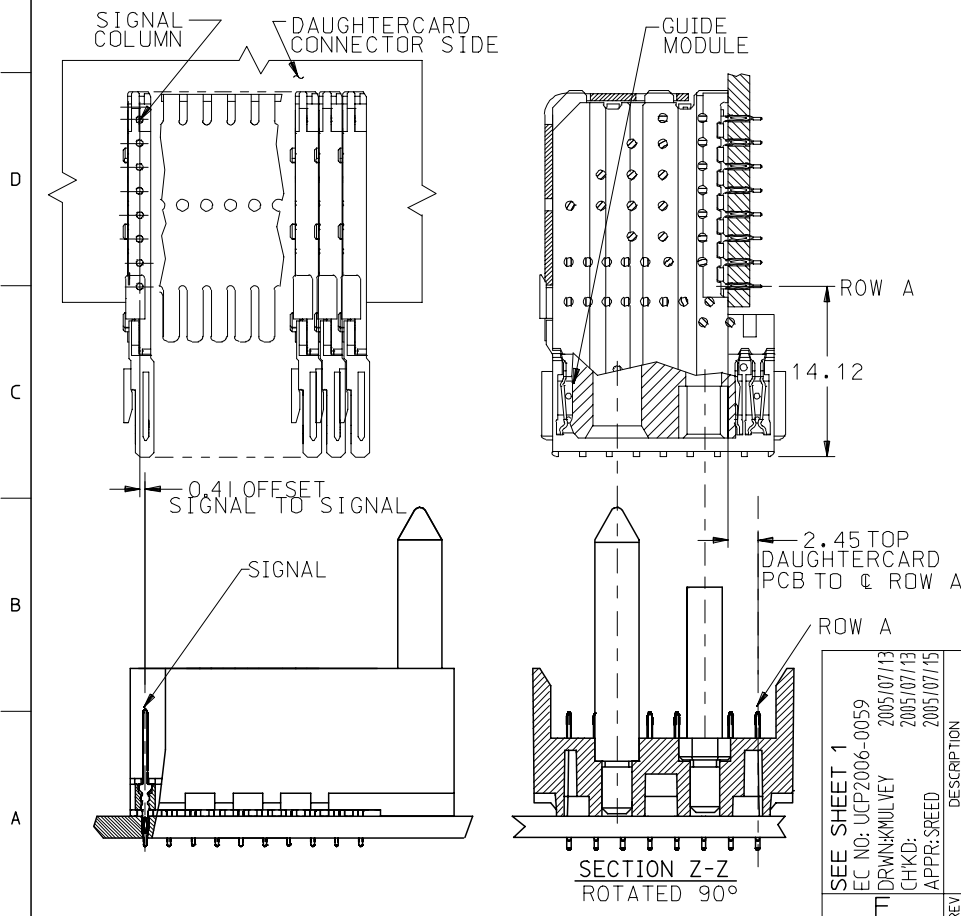
10 9 8 7 6 5 4 3 2 1

|                           |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| M/N<br>75199-( )          | ---0* | ---1* | ---2* | ---3* | ---4* | ---5* | ---6* | ---7* | ---8* |
| KEYING PIN<br>ORIENTATION | 0     | A     | B     | C     | D     | E     | F     | G     | H     |
|                           |       |       |       |       |       |       |       |       |       |

75199 - \* \* \* \*

NUMBER OF COLUMNS/PLATING  
10 = 10 COLUMN TIN/LEAD  
25 = 25 COLUMN TIN/LEAD  
90 = 10 COLUMN MATTE TIN  
85 = 25 COLUMN MATTE TIN

CONTACT LOAD  
(PIN HEIGHT)  
1 = 4.75  
2 = 6.25  
3 = 4.25  
4 = 5.15



| 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 | ---               |                   |
| 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 | ---               |                   |
| 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 | ---               |                   |
| 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              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
|             |        |                      |                  |       |       |      | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |

SEE SHEET 1  
EC NO: UCP2006-0059  
IDRWK/MULVEY 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  
DRAWN BY DATE  
MBANDURA 2002/10/17  
CHECKED BY DATE  
NMARTIN 2002/10/17  
APPROVED BY DATE  
CBIXLER 2002/10/17  
MATERIAL NO.  
SEE CHART

SCALE  
2.5:1  
TITLE  
VHDM LITE 8 ROW  
SHIELD END BACKPLANE  
SALES ASSEMBLY  
DOCUMENT NO.  
SD-75199-001  
SHEET NO.  
2 OF 2

DESIGN UNITS  
METRIC  
THIRD ANGLE  
PROJECTION  
MOLEX INCORPORATED

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9 8 7 6 5 4 3 2 1

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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:

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