

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0751982502](#)  
**Status:** **Active**  
**Overview:** vhdm\_\_hsd  
**Description:** 2.00mm (.079") Pitch 8-Row VHDM® Lite Backplane Header, Guide Pin Signal Module, Pin End Version, 200 Circuits, Pin Length 6.25mm (.246")

**Documents:**

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

**General**

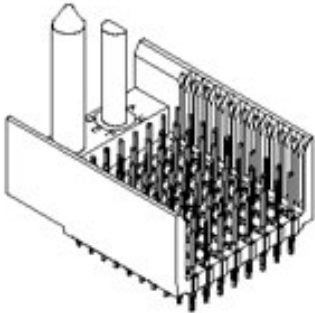
|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                                                  |
| Series                        | <a href="#">75198</a>                                                                                 |
| Application                   | Backplane                                                                                             |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">TM-622010999.pdf</a> >Tooling Manual</a> |
| Comments                      | No Keying Position                                                                                    |
| Component Type                | PCB Header                                                                                            |
| Overview                      | <a href="#">vhdm__hsd</a>                                                                             |
| Product Name                  | VHDM Lite®                                                                                            |
| Style                         | N/A                                                                                                   |

**Physical**

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| Circuits (Loaded)              | 200                                           |
| Circuits (maximum)             | 200                                           |
| 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              | 25                                            |
| 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 |
|-------------------------------|----|



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](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**

[75198Series](#)

**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="#">0622020210</a> |
| Module for Standard  |                            |
| Shield Signal        |                            |
| Header, 8 Row by     |                            |

Data Rate622.0 Mbps  
Real Signals (per 25mm)72  
Voltage - Maximum120V AC (RMS)/DC

25 Wide, 50.00mm  
(1.97")

Material Info

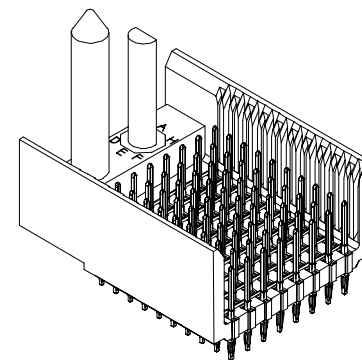
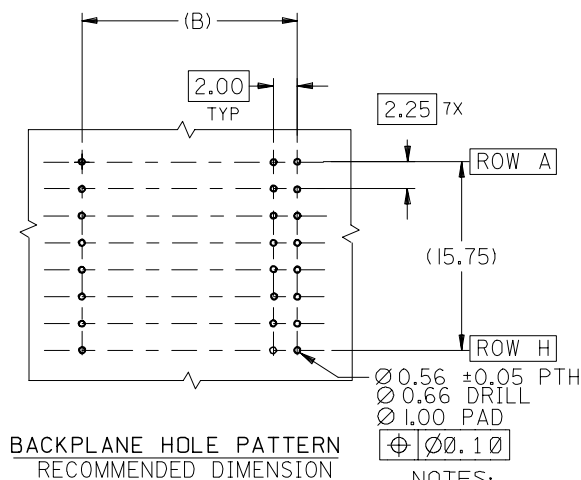
Reference - Drawing Numbers

Packaging SpecificationPK-74061-003  
Product SpecificationPS-74031-999  
Sales DrawingSD-75198-001

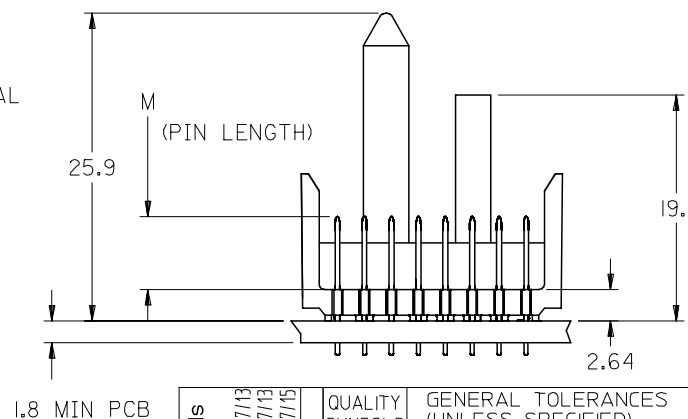
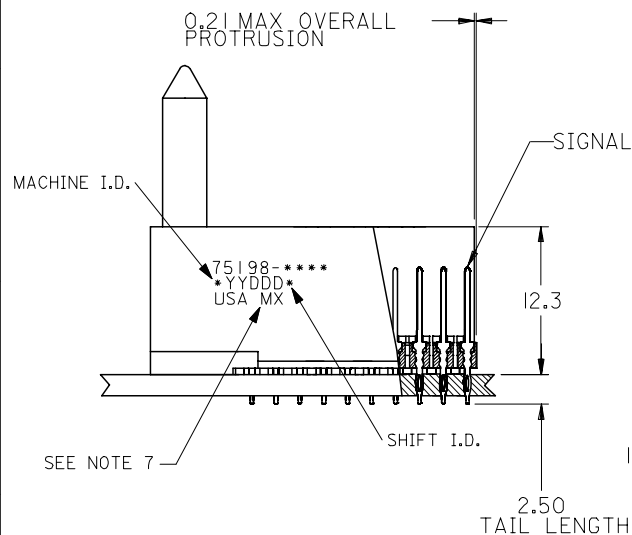
VHDM and Very High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/28/2010

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION



- 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>IDRWK/MULVEY 2005/07/13<br>CHKD: 2005/07/13<br>APPR: SREED 2005/07/15 |       |       | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table><tr><td></td><td>mm</td><td>INCH</td></tr><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><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table> |  |                                                                                                                               | mm | INCH                                                               | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | ANGULAR ±1/2° |  |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>2.5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |
|                                                                                                                   | mm    | INCH  |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| 4 PLACES                                                                                                          | ± --- | ± --- |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| 3 PLACES                                                                                                          | ± --- | ± --- |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| 2 PLACES                                                                                                          | ± --- | ± --- |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| 1 PLACE                                                                                                           | ± --- | ± --- |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| ANGULAR ±1/2°                                                                                                     |       |       |                    |                               |                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                               |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                        |       |       |                    |                               | DRAWN BY<br>MBANDURA                                                                                                                                                                                                                                                                                                                                                 |  | DATE<br>2002/10/09                                                                                                            |    | TITLE<br>VHDM LITE 8 ROW<br>SIGNAL END BACKPLANE<br>SALES ASSEMBLY |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
|                                                                                                                   |       |       |                    |                               | CHECKED BY<br>NMARTIN                                                                                                                                                                                                                                                                                                                                                |  | DATE<br>2002/10/09                                                                                                            |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
|                                                                                                                   |       |       |                    |                               | APPROVED BY<br>CBIXLER                                                                                                                                                                                                                                                                                                                                               |  | DATE<br>2002/10/09                                                                                                            |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
|                                                                                                                   |       |       |                    |                               | MATERIAL NO.<br>SEE SHEET 2                                                                                                                                                                                                                                                                                                                                          |  | DOCUMENT NO.<br>SD-75198-001                                                                                                  |    | SHEET NO.<br>1 OF 2                                                |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |
|                                                                                                                   |       |       |                    |                               | SIZE<br>B                                                                                                                                                                                                                                                                                                                                                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |                                                                    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |

F

E

D

C

B

A

F

E

D

C

B

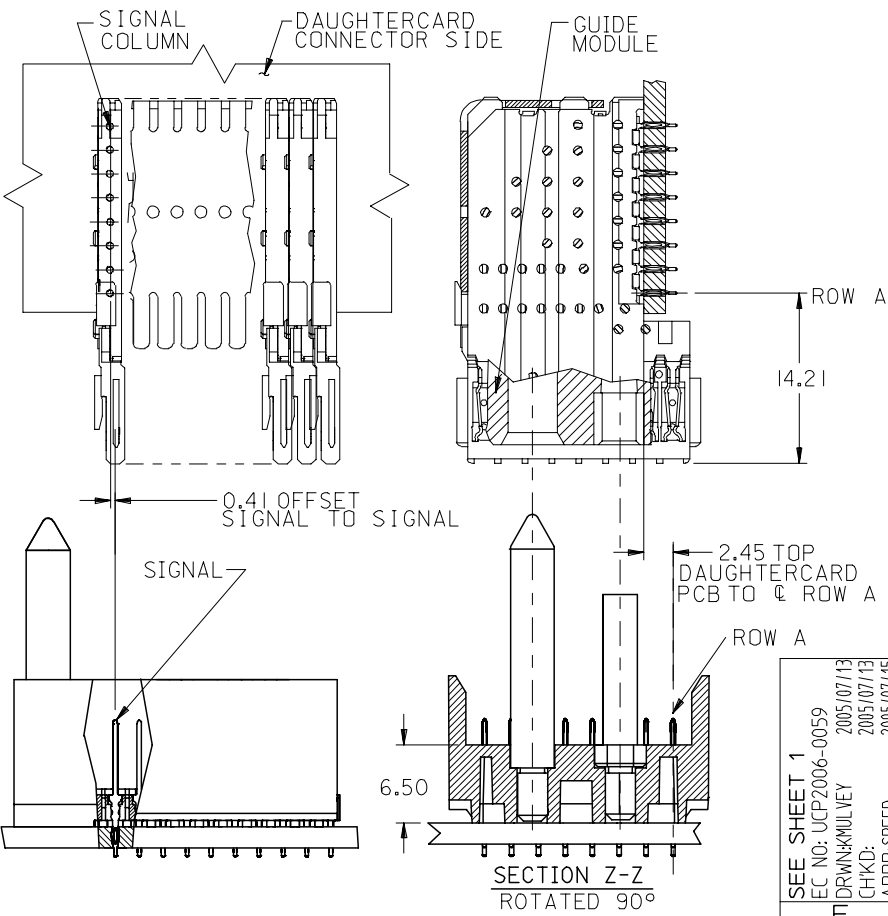
A

|                           |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| M/N<br>75198-( )          | -**0* | -**1* | -**2* | -**3* | -**4* | -**5* | -**6* | -**7* | -**8* |
| KEYING PIN<br>ORIENTATION | O     | A     | B     | C     | D     | E     | F     | G     | H     |
|                           |       |       |       |       |       |       |       |       |       |

75198 - \* \* \* \*

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<br>NUMBER | COLUMN | NUMBER OF PIN<br>SIGNAL OF PIN | NUMBER OF<br>SHIELD OF PIN | A     | B     | M    | Au (um)<br>THICKNESS | Sn (um)<br>THICKNESS |
|----------------|--------|--------------------------------|----------------------------|-------|-------|------|----------------------|----------------------|
| 75198-※0※1     | 10     | 80                             | 0                          | 27.00 | 18.00 | 4.75 | 0.76                 | 0.76-1.52            |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※5※1     | 25     | 200                            | 0                          | 57.00 | 48.00 |      | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※0※2     | 10     | 80                             | 0                          | 27.00 | 18.00 | 6.25 | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※5※2     | 25     | 200                            | 0                          | 57.00 | 48.00 |      | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※0※3     | 10     | 80                             | 0                          | 27.00 | 18.00 | 4.25 | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※5※3     | 25     | 200                            | 0                          | 57.00 | 48.00 |      | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※0※4     | 10     | 80                             | 0                          | 27.00 | 18.00 | 5.15 | 0.76                 |                      |
|                |        |                                |                            |       |       |      | ---                  |                      |
| 75198-※5※4     | 25     | 200                            | 0                          | 57.00 | 48.00 |      | 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°

DIMENSION STYLE

MM ONLY

DRAWN BY: MBANDURA 2002/10/09

CHECKED BY: NMARTIN 2002/10/09

APPROVED BY: CBIXLER 2002/10/09

MATERIAL NO.

SEE CHART

SCALE

2.5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

VHDM LITE 8 ROW  
SIGNAL END BACKPLANE  
SALES ASSEMBLY

MOLEX INCORPORATED

SD-75198-001

SHEET NO.

2 OF 2

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

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)