

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0751982512

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)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75198

Backplane

<a href="http://www.molex.com/pdm\_docs/ats/TM-622010999.pdf">Tooling Manual</a>

Keying Position A

PCB Header

vhdm\_\_hsd

VHDM Lite®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

200

200

Black

200

No

Yes

Yes

High Performance Alloy (HPA), Stainless Steel

Gold

Tin-Lead

High Temperature Thermoplastic

25

Open Pin Field

8

Vertical

Yes

0.070 In

1.80 mm

Tube

0.079 In

2.00 mm

30

0.75

30

0.75

Yes

Yes

Yes

-55°C to +105°C

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

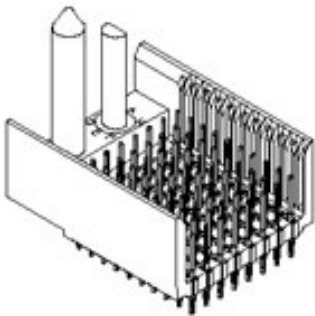


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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                                   | 0622015700 |
| Insertor Repair Tool                               |            |
| VHDM® Insertion                                    | 0622020210 |
| Module for Standard Shield Signal Header, 8 Row by |            |

Data Rate622.0 Mbps  
Real Signals (per 25mm)101  
Voltage - Maximum120V AC (RMS)/DC

25 Wide, 50.00mm  
(1.97")

Material Info

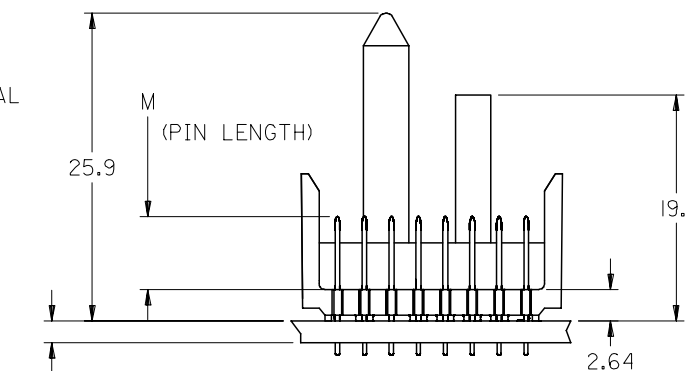
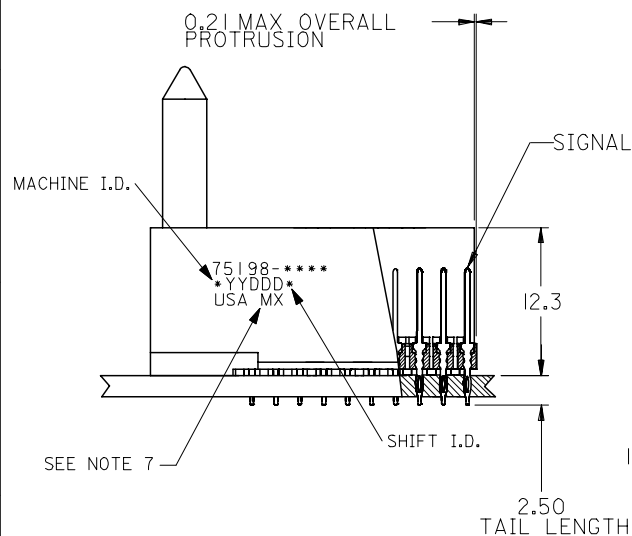
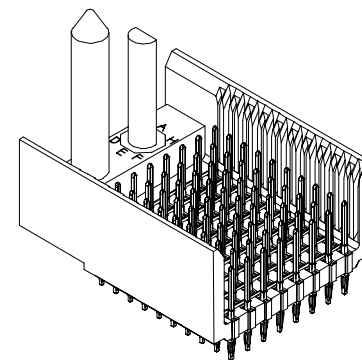
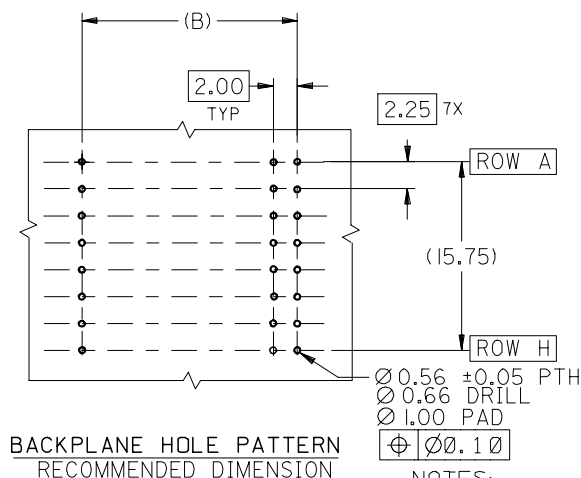
Reference - Drawing Numbers

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

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This document was generated on 05/28/2010

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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>IDRWKMKULVEY 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                                                                                                                                                                                                                                                                                                                                                   | molex                                                              | MOLEX INCORPORATED |                     |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |  |
|                                                                                                                   |       |       |                    | MATERIAL NO.<br>SEE SHEET 2                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                      | DOCUMENT NO.<br>SD-75198-001                                       |                    | SHEET NO.<br>1 OF 2 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                            |  |                |                        |                        |  |
|                                                                                                                   |       |       |                    | 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

F

E

D

C

B

A

F

E

D

C

B

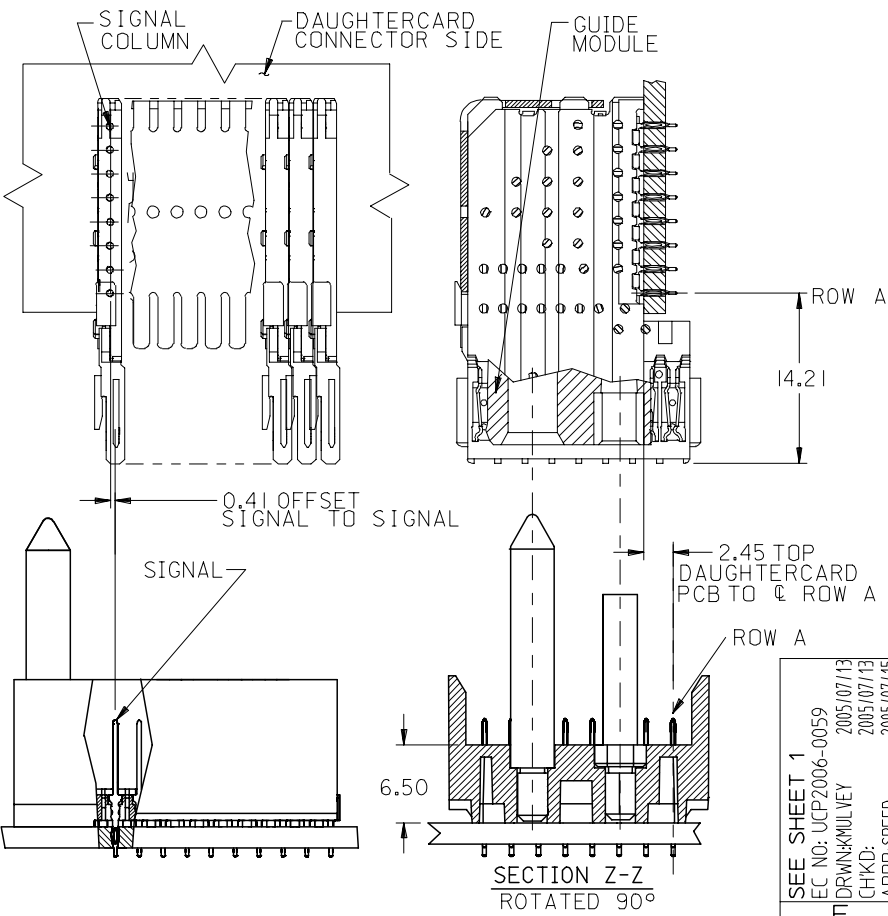
A

|                           |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 NUMBER | COLUMN | NUMBER OF SIGNAL PIN | NUMBER OF SHIELD | A     | B     | M    | Au (um) THICKNESS | Sn (um) 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 |      | ---               |                   |
| 75198-*0*2  | 10     | 80                   | 0                | 27.00 | 18.00 | 6.25 | 0.76              |                   |
| 75198-*5*2  | 25     | 200                  | 0                | 57.00 | 48.00 |      | ---               |                   |
| 75198-*0*3  | 10     | 80                   | 0                | 27.00 | 18.00 | 4.25 | 0.76              |                   |
| 75198-*5*3  | 25     | 200                  | 0                | 57.00 | 48.00 |      | ---               |                   |
| 75198-*0*4  | 10     | 80                   | 0                | 27.00 | 18.00 | 5.15 | 0.76              |                   |
| 75198-*5*4  | 25     | 200                  | 0                | 57.00 | 48.00 |      | ---               |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
|             |        |                      |                  |       |       |      | ---               |                   |

SEE SHEET 1

EC NO: UCP2006-0059

IDRWK/MULVEY 2005/07/13

CHKD: 2005/07/13

APPR: SREED 2005/07/15

DESCRIPTION

REV

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

DOCUMENT NO.

SD-75198-001

SHEET NO.

2 OF 2

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

SIZE

B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
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9 8 7 6 5 4 3 2 1

## Данный компонент на территории Российской Федерации

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<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.

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### Офис по работе с юридическими лицами:

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