

PLEASE CHECK 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

75198

Application

Backplane

Application Tooling Documents

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

Comments

No Keying Position

Component Type

PCB Header

Overview

vhdm\_\_hsd

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

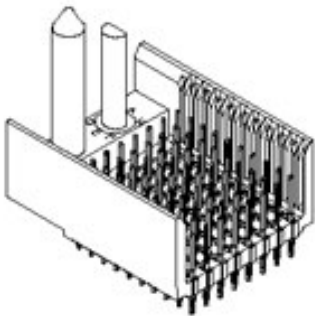


image - Reference only

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)72  
Voltage - Maximum120V AC (RMS)/DC

25 Wide, 50.00mm  
(1.97")

Material Info

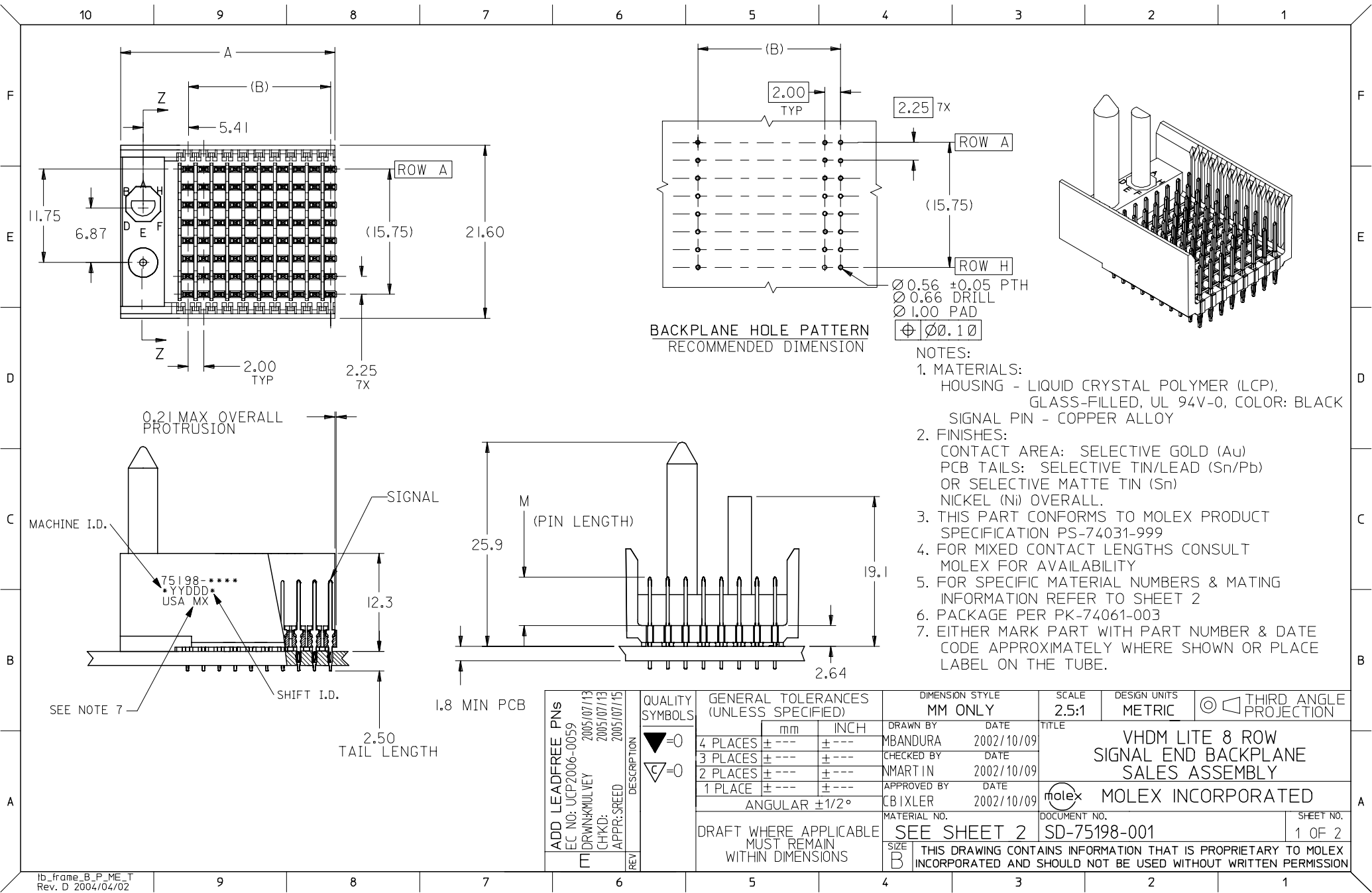
Reference - Drawing Numbers

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

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BACKPLANE HOLE PATTERN  
RECOMMENDED DIMENSION

Ø 0.56 ±0.05 PTH  
Ø 0.66 DRILL  
Ø 1.00 PAD  
Ø Ø.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<br>EC NO: UCP2006-0059<br>DRWN:KULVEY 2005/07/13<br>CHKD: 2005/07/13<br>APPR: SREED 2005/07/15 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                     | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>2.5:1                                                     | DESIGN UNITS<br>METRIC       | THIRD ANGLE PROJECTION |                                                                                                                                  |  |  |            |
|                                                                                                                  |             |                                   | mm                                    | INCH                | DRAWN BY                   | DATE        | TITLE<br>VHDM LITE 8 ROW<br>SIGNAL END BACKPLANE<br>SALES ASSEMBLY |                              |                        |                                                                                                                                  |  |  |            |
|                                                                                                                  |             |                                   | 4 PLACES                              | ± ---               | ± ---                      | MBANDURA    |                                                                    |                              |                        |                                                                                                                                  |  |  | 2002/10/09 |
|                                                                                                                  |             |                                   | 3 PLACES                              | ± ---               | ± ---                      | CHECKED BY  | DATE                                                               | MOLEX INCORPORATED           |                        |                                                                                                                                  |  |  |            |
|                                                                                                                  |             |                                   | 2 PLACES                              | ± ---               | ± ---                      | NMARTIN     | 2002/10/09                                                         |                              |                        |                                                                                                                                  |  |  |            |
|                                                                                                                  |             |                                   | 1 PLACE                               | ± ---               | ± ---                      | APPROVED BY | DATE                                                               | DOCUMENT NO.<br>SD-75198-001 |                        |                                                                                                                                  |  |  |            |
| ANGULAR ±1/2°                                                                                                    |             | CBIXLER                           | 2002/10/09                            | SHEET NO.<br>1 OF 2 |                            |             |                                                                    |                              |                        |                                                                                                                                  |  |  |            |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                       |             | MATERIAL NO.<br>SEE SHEET 2       |                                       |                     |                            |             |                                                                    |                              |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |            |
|                                                                                                                  |             | SIZE<br>B                         |                                       |                     |                            |             |                                                                    |                              |                        |                                                                                                                                  |  |  |            |

F

E

D

C

B

A

F

E

D

C

B

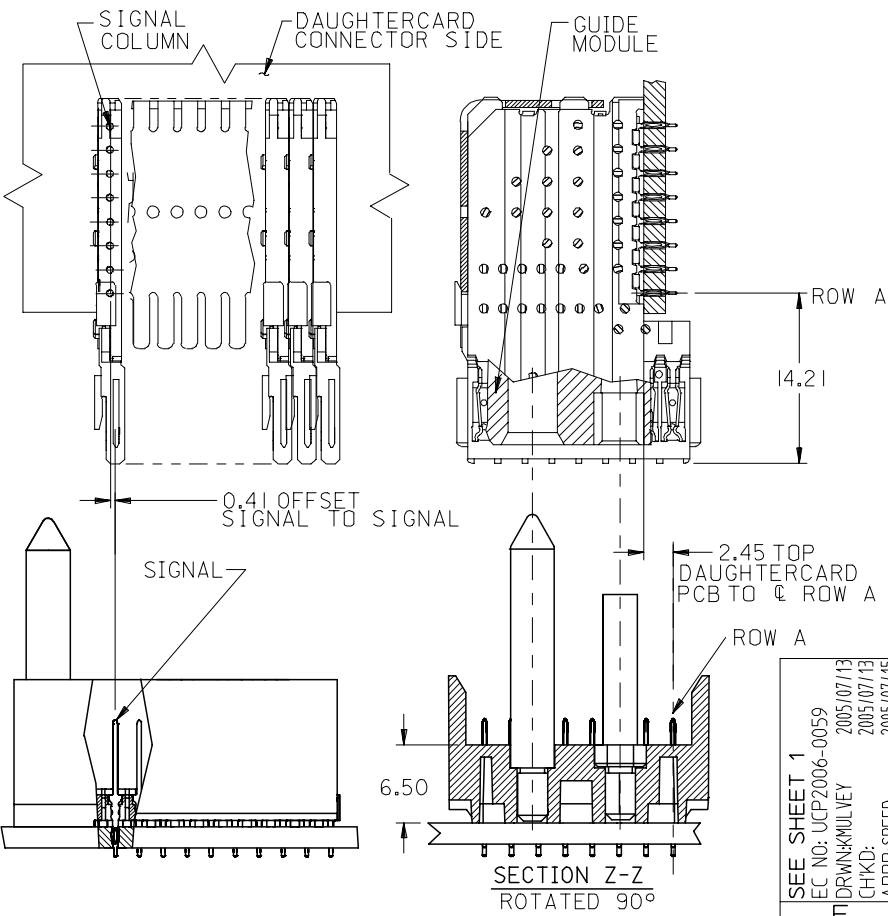
A

|                           |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 4.75 | 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 | 6.25 | 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 | 4.25 | 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 | 5.15 | 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

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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