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Part Number:

0751952502

Status:

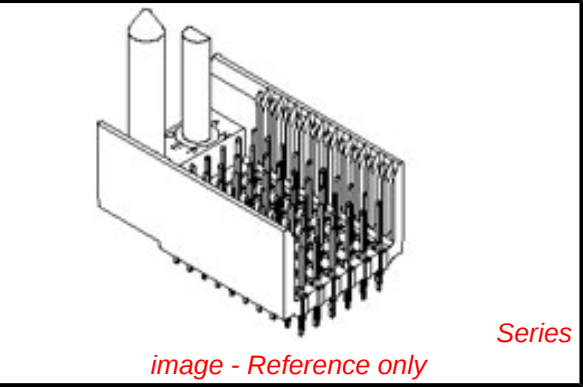
Active

Overview:

vhdm\_\_hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM® Lite Backplane Header, Left Shield End Version, 6 Row, 150 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                         | 75195                                                                           |
| 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)              | 150                                                                             |
| Circuits (maximum)             | 150                                                                             |
| 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                 | 6                                                                               |
| Orientation                    | Vertical                                                                        |
| PC Tail Length (in)            | 0.098 In                                                                        |
| PC Tail Length (mm)            | 2.50 mm                                                                         |
| PCB Locator                    | No                                                                              |
| PCB Retention                  | Yes                                                                             |
| PCB Thickness Recommended (in) | 0.071 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                                                                         |
| Pitch - Term. Interface (in)   | 0.079 In                                                                        |
| Pitch - Term. 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               | No                                                                              |
| Stackable                      | No                                                                              |
| Surface Mount Compatible (SMC) | Yes                                                                             |

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

75195Series

Mates With

75189 VHDM® Lite 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, 6 Row by | 0622020208 |

|                               |                              |                             |
|-------------------------------|------------------------------|-----------------------------|
| Temperature Range - Operating | 105°C                        | 25 Wide, 50.00mm<br>(1.97") |
| Termination Interface: Style  | Through Hole - Compliant Pin |                             |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2A               |
| Data Rate                     | 622.0 Mbps       |
| Real Signals (per 25mm)       | 76               |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

**Material Info**

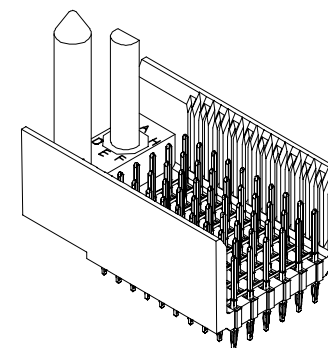
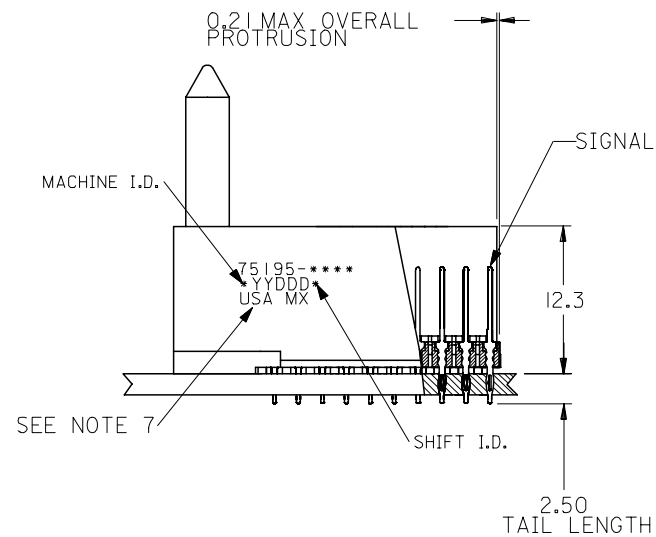
**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing         | SD-75195-001 |

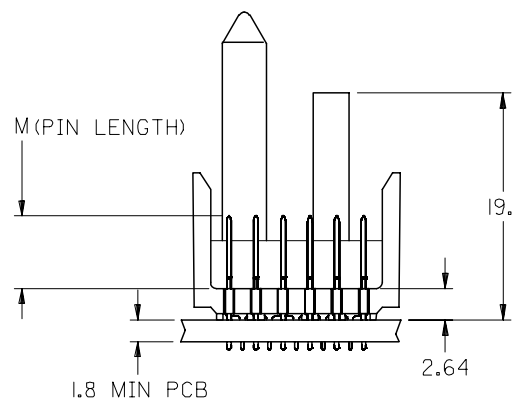
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- NOTES:
1. MATERIALS:  
HOUSING - LIQUID CRYSTAL POLYMER (LCP),  
GLASS-FILLED, UL 94V-0, COLOR: BLACK  
SIGNAL PIN - COPPER ALLOY
  2. FINISHES:  
CONTACT AREA: SELECTIVE GOLD (Au)  
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)  
OR SELECTIVE MATTE TIN (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-74058-003
  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>2005/07/13<br>DRWNG: MULVEY<br>CHKD: 2005/07/13<br>APPR: SREED 2005/07/15 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | 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>2003/01/06 | TITLE<br>VHDM LITE 6 ROW<br>SIGNAL END BACKPLANE<br>SALES ASSEMBLY                                                               |                           |        |  |  |
|                                                                                                                       |                                   |             | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>NMARTIN  | DATE<br>2003/01/06 |                                                                                                                                  |                           |        |  |  |
|                                                                                                                       |                                   |             | 3 PLACES                                                   | ± --- | ± ---                      | APPROVED BY<br>CBIXLER | DATE<br>2003/01/06 | molex MOLEX INCORPORATED                                                                                                         |                           |        |  |  |
|                                                                                                                       |                                   |             | 2 PLACES                                                   | ± --- | ± ---                      | MATERIAL NO.           | DOCUMENT NO.       |                                                                                                                                  |                           |        |  |  |
|                                                                                                                       |                                   |             | 1 PLACE                                                    | ± --- | ± ---                      | SEE SHEET 2            |                    | SD-75195-001                                                                                                                     |                           | 1 OF 2 |  |  |
|                                                                                                                       |                                   |             | ANGULAR ±1/2°                                              |       |                            |                        |                    |                                                                                                                                  |                           |        |  |  |
|                                                                                                                       |                                   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |                            | SIZE<br>B              |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |        |  |  |



M/N  
75195-( )

KEYING PIN  
ORIENTATION

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ***0* | ***1* | ***2* | ***3* | ***4* | ***5* | ***6* | ***7* | ***8* |
| O     | A     | B     | C     | D     | E     | F     | G     | H     |

75195 \* \* \* \*

COLUMN/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 |
|-------------|--------|----------------------|------------------|-------|-------|------|-------------------|-------------------|
| 75195-*0*1  | 10     | 60                   | 0                | 27.00 | 18.00 | 4.75 | 0.76              | 0.76-1.52         |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*5*1  | 25     | 150                  | 0                | 57.00 | 48.00 | 4.75 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*0*2  | 10     | 60                   | 0                | 27.00 | 18.00 | 6.25 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*5*2  | 25     | 150                  | 0                | 57.00 | 48.00 | 6.25 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*0*3  | 10     | 60                   | 0                | 27.00 | 18.00 | 4.25 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*5*3  | 25     | 150                  | 0                | 57.00 | 48.00 | 4.25 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*0*4  | 10     | 60                   | 0                | 27.00 | 18.00 | 5.15 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |
| 75195-*5*4  | 25     | 150                  | 0                | 57.00 | 48.00 | 5.15 | 0.76              |                   |
|             |        |                      |                  |       |       |      | ---               |                   |

|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------|
| SEE SHEET 1<br>EC NO: UCP2006-0059<br>IDRWK/MULVEY 2005/07/13<br>CHKD: 2005/07/13<br>APPR: SREED 2005/07/15 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><br>mmINCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ±1/2° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>MBANDURA 2003/01/06<br>CHECKED BY DATE<br>NMARTIN 2003/01/06<br>APPROVED BY DATE<br>CBIXLER 2003/01/06<br>MATERIAL NO.<br>SEE CHART | SCALE<br>2.5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | VHDM LITE 6 ROW<br>SIGNAL END BACKPLANE<br>SALES ASSEMBLY<br><br>MOLEX INCORPORATED | DOCUMENT NO.<br>SD-75195-001 | SHEET NO.<br>2 OF 2 |
|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
|                                                                                                             |                                   |                                                                                                                                                                     |                                                                                                                                                                                    |                |                        |                        |                                                                                     |                              |                     |
| REV                                                                                                         | DESCRIPTION                       | 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                                                   |                |                        |                        |                                                                                     |                              |                     |

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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