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Part Number:

0749525008

Status:

Active

Overview:

vhdm\_\_hsd

Description:

2.00mm (.079") Pitch 5-Row VHDM-HSD™ Backplane Header, Polarizing Pin Module, Code Key H, 40 Circuits

Documents:

Drawing (PDF)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

General

|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                            |
| Series                        | 74952                                                                           |
| Application                   | Backplane                                                                       |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">Tooling Manual</a> |
| Comments                      | Position H, PCB Thickness 1.80mm (.070") to 4.00mm (.157")                      |
| Component Type                | PCB Header                                                                      |
| Overview                      | vhdm__hsd                                                                       |
| Product Name                  | VHDM-HSD™                                                                       |
| Style                         | N/A                                                                             |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | N/A             |
| Durability (mating cycles max) | 200             |
| First Mate / Last Break        | No              |
| Guide to Mating Part           | Yes             |
| Keying to Mating Part          | Yes             |
| Material - Metal               | Stainless Steel |
| Number of Columns              | 6               |
| Number of Pairs                | Open Pin Field  |
| Number of Rows                 | 0               |
| Orientation                    | Vertical        |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness Recommended (in) | 0.071 In        |
| PCB Thickness Recommended (mm) | 1.80 mm         |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface (in)  | 0.000 In        |
| Pitch - Mating Interface (mm)  | 0.00 mm         |
| Polarized to PCB               | Yes             |
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | N/A             |

Electrical

|                               |          |
|-------------------------------|----------|
| Current - Maximum per Contact | N/A      |
| Data Rate                     | 5.0 Gbps |
| Shield Type                   | N/A      |
| Shielded                      | No       |
| Voltage - Maximum             | N/A      |

Material Info

Reference - Drawing Numbers

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing         | SD-74952-002 |

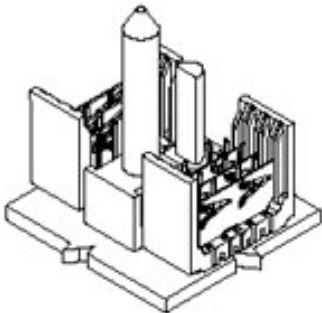


image - Reference only

Series

|                                                                                                                                                                                             |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <div><div>EU RoHS</div><div>Compliance Status</div><div>Not Reviewed</div><div>REACH SVHC</div><div>Not Reviewed</div><div>Halogen-Free</div><div>Status</div><div>Not Reviewed</div></div> | <div><div>China RoHS</div></div> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|

**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

74952Series

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

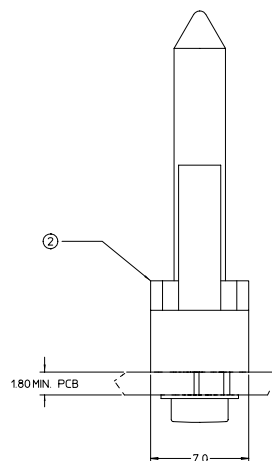
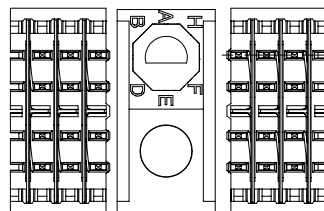
| MATERIAL NUMBER<br>PCB THICKNESS<br>>4.0 - 9.0 | MATERIAL NUMBER<br>PCB THICKNESS<br>18 - 4.0 | BUSHING CLOCK POSITION |
|------------------------------------------------|----------------------------------------------|------------------------|
| 74952-5901                                     | 74952-5001                                   | A                      |
| 74952-5902                                     | 74952-5002                                   | B                      |
| 74952-5903                                     | 74952-5003                                   | C                      |
| 74952-5904                                     | 74952-5004                                   | D                      |
| 74952-5905                                     | 74952-5005                                   | E                      |
| 74952-5906                                     | 74952-5006                                   | F                      |
| 74952-5907                                     | 74952-5007                                   | G                      |
| 74952-5908                                     | 74952-5008                                   | H                      |

BILL OF MATERIAL FOR 74952-50\*\*

| ITEM | DESCRIPTION                  | QTY. |
|------|------------------------------|------|
| 1    | GUIDE PIN                    | 1    |
| 2    | GUIDANCE & POLARIZING MODULE | 1    |
| 3    | KEYING PIN                   | 1    |
| 4    | SCREW & WASHER (PCB 18-4.0)  | 1    |

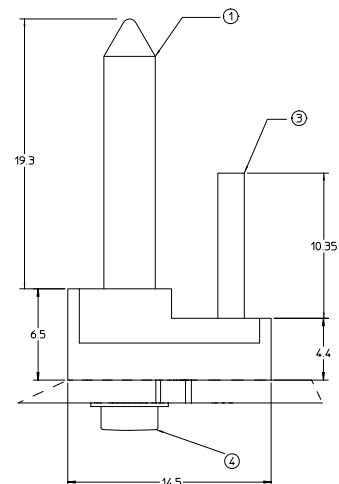
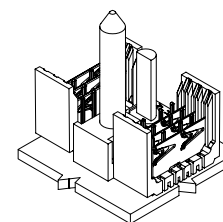
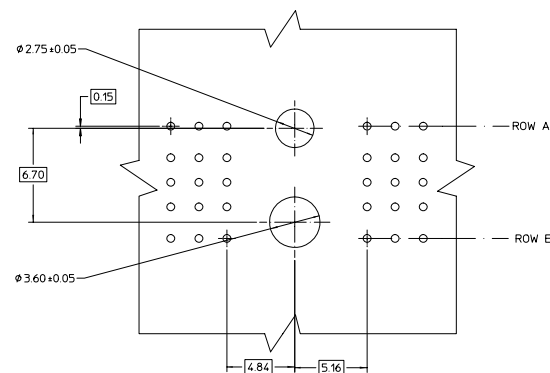
BILL OF MATERIAL FOR 74952-59\*\*

| ITEM | DESCRIPTION                   | QTY. |
|------|-------------------------------|------|
| 1    | GUIDE PIN                     | 1    |
| 2    | GUIDANCE & POLARIZING MODULE  | 1    |
| 3    | KEYING PIN                    | 1    |
| 4    | SCREW & WASHER (PCB >4.0-9.0) | 1    |



- NOTES:
- MATERIAL:  
HOUSING: LIQUID CRYSTAL POLYMER (LCP),  
COLOR: BLACK  
GUIDE PIN / KEYING PIN: STAINLESS STEEL
  - THIS PART CONFORMS TO MOLEX PRODUCT  
SPECIFICATION PS-74031-999.
  - PACKAGING: STANDARD BULK PACK, 100 PER BAG  
PACKAGE SCREW SEPARATELY.

74952



|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|---------------------|----------------------------|---------------------------------------------------------------------------------|---------------------------|
| EC NO. UDT2002-0216<br>DRWN: LMOSEY 2001/12/19<br>CHKD: SREED 2001/12/19<br>APPR: CBIXLER 2001/12/20                             | QUALITY<br>SYMBOLS<br>0<br>0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) | SCALE<br>6:1        | DESIGN UNITS<br>METRIC     | THIRD ANGLE<br>PROJECTION                                                       | REVISE ON CAD ONLY        |
|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |
| REV<br>DESCRIPTION                                                                                                               |                              | mm                                       | INCH                | DIMENSION STYLE<br>MM ONLY | TITLE<br>BACKPLANE GUIDANCE<br>AND POLARIZING MODULE<br>5 ROW HSD SALES DRAWING | MATERIAL NO.<br>SEE CHART |
|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |                              | 4 PLACES ±                               | 3 PLACES ±          | 2 PLACES ±                 | 1 PLACE ±                                                                       | ANGULAR ± 2 °             |
|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |
| APPROVED BY<br>CBIXLER                                                                                                           | DATE<br>01/12/11             | DRAWN BY<br>NMARTIN                      | DATE<br>01/12/11    | CHECKED BY<br>SREED        | DATE<br>01/12/11                                                                | APPROVED BY<br>CBIXLER    |
|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              | DOCUMENT NO.<br>SD-74952-002             | SHEET NO.<br>1 OF 1 |                            |                                                                                 |                           |
|                                                                                                                                  |                              |                                          |                     |                            |                                                                                 |                           |