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Part Number:

0740621012

Status:

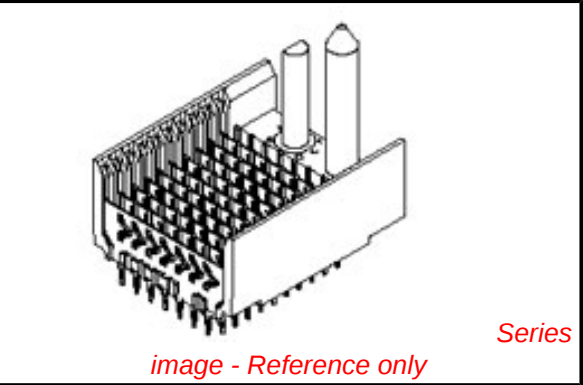
Active

Overview:

vhdm

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Shield End Version, 80 Circuits, Pin Length 6.25mm (.246"), Keying Pin Orientation A



|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-74031-999 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

|                                |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| Agency Certification           |                                                                                 |
| UL                             | E29179                                                                          |
| General                        |                                                                                 |
| Product Family                 | Backplane Connectors                                                            |
| Series                         | 74062                                                                           |
| Application                    | Backplane                                                                       |
| Application Tooling Documents  | <a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">Tooling Manual</a> |
| Comments                       | Keying Position A                                                               |
| Component Type                 | PCB Header                                                                      |
| Overview                       | vhdm                                                                            |
| Product Name                   | VHDM®                                                                           |
| Style                          | N/A                                                                             |
| Physical                       |                                                                                 |
| Circuits (Loaded)              | 80                                                                              |
| Circuits (maximum)             | 80                                                                              |
| Color - Resin                  | Black                                                                           |
| Durability (mating cycles max) | 200                                                                             |
| First Mate / Last Break        | No                                                                              |
| Flammability                   | 94V-0                                                                           |
| Guide to Mating Part           | Yes                                                                             |
| Keying to Mating Part          | Yes                                                                             |
| Material - Metal               | Beryllium Copper, High Performance Alloy (HPA), Stainless Steel                 |
| Material - Plating Mating      | Gold                                                                            |
| Material - Plating Termination | Tin-Lead                                                                        |
| Material - Resin               | High Temperature Thermoplastic                                                  |
| Number of Columns              | N/A                                                                             |
| Number of Pairs                | Open Pin Field                                                                  |
| Number of Rows                 | 8                                                                               |
| Orientation                    | Vertical                                                                        |
| PC Tail Length (in)            | 0.098 In                                                                        |
| PC Tail Length (mm)            | 2.50 mm                                                                         |
| PCB Locator                    | No                                                                              |
| PCB Retention                  | None                                                                            |
| 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                                                                         |
| Pitch - Term. Interface (in)   | 0.079 In                                                                        |
| Pitch - Term. Interface (mm)   | 2.00 mm                                                                         |
| Plating min: Mating (µin)      | 30                                                                              |

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

74062Series

Mates With

74040 VHDM® Board-to-Board Daughtercard Receptacle

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.

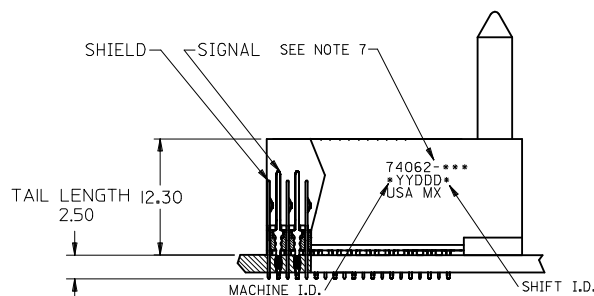
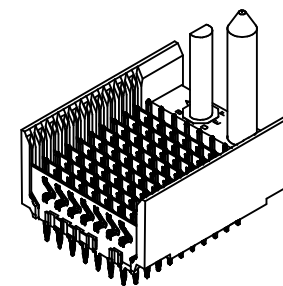
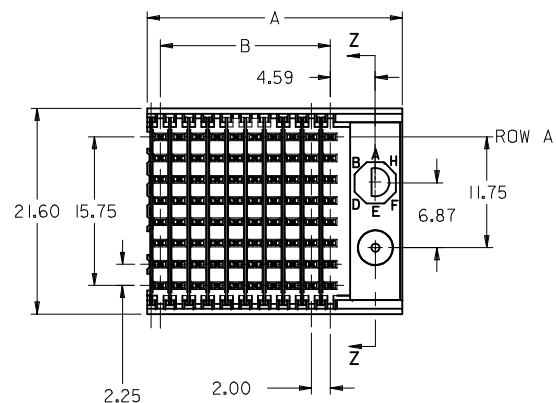
Global

| Description                            | Product #  |
|----------------------------------------|------------|
| Flat Rock Tooling for Pneumatic Press  | 0622013700 |
| VHDM® Signal Pin Inserter Repair Tool  | 0622015700 |
| VHDM® 8 Row Pin and Shield Repair Tool | 0622015900 |

|                                                                          |                              |                                                                                             |                            |
|--------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------|----------------------------|
| Plating min: Mating (µm)                                                 | 0.75                         | VHDM® 8 Row Shield Extraction Tool                                                          | <a href="#">0622016100</a> |
| Plating min: Termination (µin)                                           | 30                           |                                                                                             |                            |
| Plating min: Termination (µm)                                            | 0.75                         | VHDM® Insertion Module for Advanced Mate Signal Header, 8 Row by 10 Wide, 20.00mm (.787")   | <a href="#">0622020205</a> |
| Polarized to PCB                                                         | Yes                          | VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 10 Wide, 20.00mm (.787") | <a href="#">0622020209</a> |
| Stackable                                                                | Yes                          |                                                                                             |                            |
| Surface Mount Compatible (SMC)                                           | Yes                          |                                                                                             |                            |
| Temperature Range - Operating                                            | -55°C to +105°C              |                                                                                             |                            |
| Termination Interface: Style                                             | Through Hole - Compliant Pin |                                                                                             |                            |
| <b>Electrical</b>                                                        |                              |                                                                                             |                            |
| Current - Maximum per Contact                                            | 1A                           |                                                                                             |                            |
| Data Rate                                                                | 3.125 Gbps                   |                                                                                             |                            |
| Real Signals (per 25mm)                                                  | 100                          |                                                                                             |                            |
| Shield Type                                                              | Ground Plane Shield          |                                                                                             |                            |
| Shielded                                                                 | Yes                          |                                                                                             |                            |
| Voltage - Maximum                                                        | 120V AC (RMS)/DC             |                                                                                             |                            |
| <b>Material Info</b>                                                     |                              |                                                                                             |                            |
| <b>Reference - Drawing Numbers</b>                                       |                              |                                                                                             |                            |
| Product Specification                                                    | PS-74031-999                 |                                                                                             |                            |
| Sales Drawing                                                            | SD-74062-002                 |                                                                                             |                            |
| VHDM and Very High Density Metric are trademarks of Amphenol Corporation |                              |                                                                                             |                            |

This document was generated on 05/19/2010

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- NOTES:
1. MATERIALS:  
HOUSING - LIQUID CRYSTAL POLYMER (LCP),  
GLASS-FILLED, UL 94V-0, COLOR: BLACK  
SIGNAL PIN & SHIELD - 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 NO GDE/NO KEY<br>EC NO: UCP2009-2089<br>Z<br>CHW4BSMART 2009/02/23<br>CHYKD-SDANALLEY 2009/02/23<br>APPR: SMILLER 2009/02/23 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      | DIMENSION STYLE<br>MM ONLY |                             | SCALE      | DESIGN UNITS<br>METRIC                                                                                                        |  | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                                  |             |                                   |                                                            | mm   | INCH                       | DRAWN BY                    | DATE       | TITLE                                                                                                                         |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | 4 PLACES                                                   | ±--- | ±---                       | MWANG                       | 1998/11/12 | VHDM 8 ROW<br>SHIELD END BACKPLANE<br>SALES ASSEMBLY<br>MOLEX INCORPORATED                                                    |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | 3 PLACES                                                   | ±--- | ±---                       | CHECKED BY                  | DATE       |                                                                                                                               |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | 2 PLACES                                                   | ±--- | ±---                       | JLAURX                      | 1998/11/12 |                                                                                                                               |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | 1 PLACE                                                    | ±--- | ±---                       | APPROVED BY                 | DATE       |                                                                                                                               |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | ANGULAR ±1/2°                                              |      |                            | CBIXLER                     | 1998/11/12 |                                                                                                                               |  |                           |  |  |  |
|                                                                                                                                  |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      |                            | MATERIAL NO.<br>SEE SHEET 2 |            | DOCUMENT NO.<br>SD-74062-002                                                                                                  |  | SHEET NO.<br>1 OF 2       |  |  |  |
|                                                                                                                                  |             |                                   | REV                                                        |      |                            | SIZE C                      |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                           |  |  |  |
|                                                                                                                                  |             |                                   |                                                            |      |                            |                             |            |                                                                                                                               |  |                           |  |  |  |
|                                                                                                                                  |             |                                   |                                                            |      |                            |                             |            |                                                                                                                               |  |                           |  |  |  |

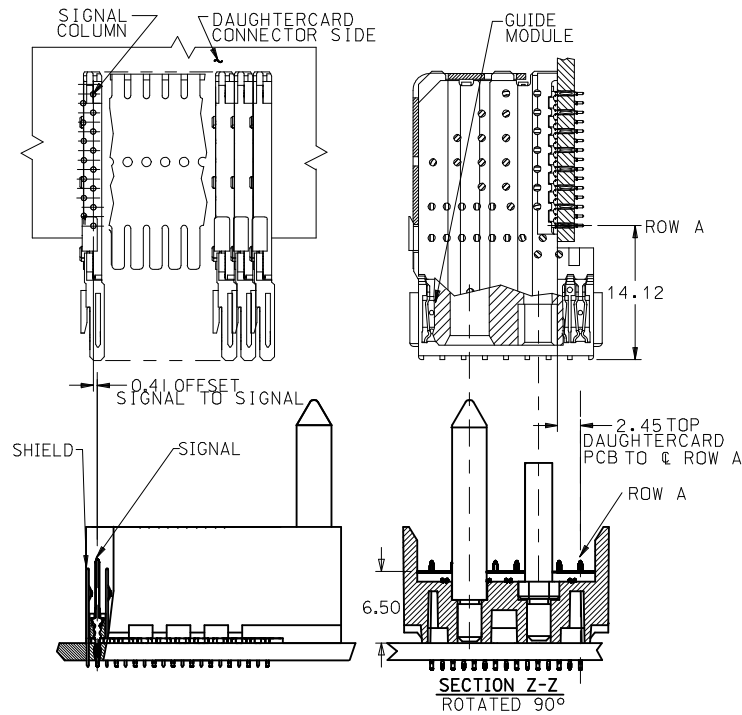
| M/N<br>74062-( )          | ---0* | ---1* | ---2* | ---3* | ---4* | ---5* | ---6* | ---7* | ---8* | ---9* |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| KEYING PIN<br>ORIENTATION |       |       |       |       |       |       |       |       |       |       |

74062 - \* \* \*

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 LENGTH)  
1 & 6 = 4.75  
2 & 7 = 6.25  
3 & 8 = 4.25  
4 & 9 = 5.15

NO GUIDE PIN  
NO KEYING PIN



| PART NUMBER | COLUMN | NUMBER OF SIGNAL PIN | NUMBER OF SHIELD | A     | B     | M    | Au (um) THICKNESS | Sn (um) THICKNESS |
|-------------|--------|----------------------|------------------|-------|-------|------|-------------------|-------------------|
| 74062-*0*1  | 10     | 80                   | 10               | 27.00 | 18.00 | 4.75 | 0.76              | 0.76-1.52         |
| 74062-*0*6  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*5*1  | 25     | 200                  | 25               | 57.00 | 48.00 | 6.25 | 0.76              |                   |
| 74062-*5*6  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*0*2  | 10     | 80                   | 10               | 27.00 | 18.00 | 4.25 | 0.76              |                   |
| 74062-*0*7  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*5*2  | 25     | 200                  | 25               | 57.00 | 48.00 | 5.15 | 0.76              |                   |
| 74062-*5*7  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*0*3  | 10     | 80                   | 10               | 27.00 | 18.00 | 4.75 | 0.76              |                   |
| 74062-*0*8  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*5*3  | 25     | 200                  | 25               | 57.00 | 48.00 | 6.25 | 0.76              |                   |
| 74062-*5*8  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*0*4  | 10     | 80                   | 10               | 27.00 | 18.00 | 5.15 | 0.76              |                   |
| 74062-*0*9  |        |                      |                  |       |       |      | 1.27              |                   |
| 74062-*5*4  | 25     | 200                  | 25               | 57.00 | 48.00 | 4.75 | 0.76              |                   |
| 74062-*5*9  |        |                      |                  |       |       |      | 1.27              |                   |

| ADD NO GDE/NO KEY<br>EC NO: UCP2009-2089<br>DRWN:BSWART 2009/02/23<br>CHKD:SDANIELLEY 2009/02/23<br>APPR:SMILLER 2009/02/23 | QUALITY SYMBOLS<br>▽=0<br>▽=0                                                                                                    | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </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> </table> |                            | mm                                                                     | INCH               | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | DIMENSION STYLE<br><b>MM ONLY</b> | SCALE<br>DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------|--------------------|----------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|-----------------------------------|----------------------------------------|------------------------|
|                                                                                                                             |                                                                                                                                  | mm                                                                                                                                                                                                                                                                                                                                                             | INCH                       |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
|                                                                                                                             | 4 PLACES                                                                                                                         | ± ---                                                                                                                                                                                                                                                                                                                                                          | ± ---                      |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
|                                                                                                                             | 3 PLACES                                                                                                                         | ± ---                                                                                                                                                                                                                                                                                                                                                          | ± ---                      |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
| 2 PLACES                                                                                                                    | ± ---                                                                                                                            | ± ---                                                                                                                                                                                                                                                                                                                                                          |                            |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
| 1 PLACE                                                                                                                     | ± ---                                                                                                                            | ± ---                                                                                                                                                                                                                                                                                                                                                          |                            |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                  | MATERIAL NO.<br><b>SEE CHART</b>                                                                                                 | DRAWN BY<br>MWANG                                                                                                                                                                                                                                                                                                                                              | DATE<br>1998/11/12         | TITLE<br><b>VHDM 8 ROW<br/>SHIELD END BACKPLANE<br/>SALES ASSEMBLY</b> | MOLEX INCORPORATED |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
| REV<br><b>N</b>                                                                                                             | DESCRIPTION<br><b>SECTION Z-Z<br/>ROTATED 90°</b>                                                                                | CHECKED BY<br>JL AURX                                                                                                                                                                                                                                                                                                                                          | DATE<br>1998/11/12         | APPROVED BY<br>CBIXLER                                                 | DATE<br>1998/11/12 |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |
| SIZE<br><b>C</b>                                                                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | DOCUMENT NO.<br><b>SD-74062-002</b>                                                                                                                                                                                                                                                                                                                            | SHEET NO.<br><b>2 OF 2</b> |                                                                        |                    |          |       |       |          |       |       |          |       |       |         |       |       |                                   |                                        |                        |

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- Комплексную поставку.
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- Техническую поддержку проекта.
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- Оценку стоимости проекта по компонентам.
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