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**Part Number:** [0740622503](#)  
**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, Pin End Version, 200 Circuits, Pin Length 4.25mm (.167")

**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

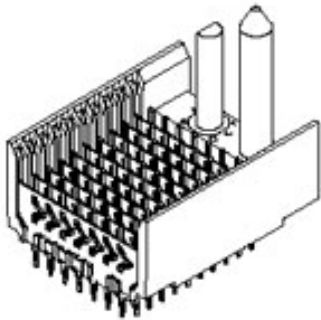
CSA LR19980

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 No Keying Position  
Component Type PCB Header  
Overview [vhdm](#)  
Product Name VHDM®  
Style N/A

Physical

Circuits (Loaded) 200  
Circuits (maximum) 200  
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 None  
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  
Plating min: Mating (µm) 0.75



Series

image - Reference only

**EU RoHS**  
**Not RoHS Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**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

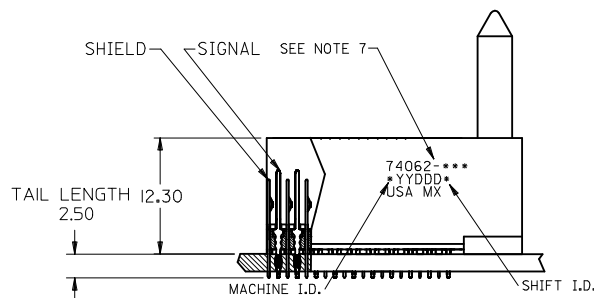
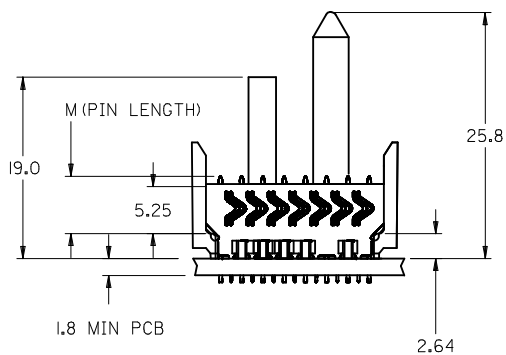
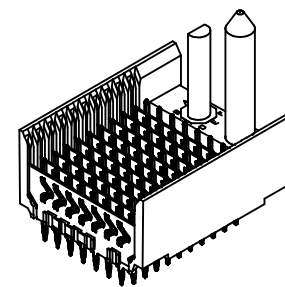
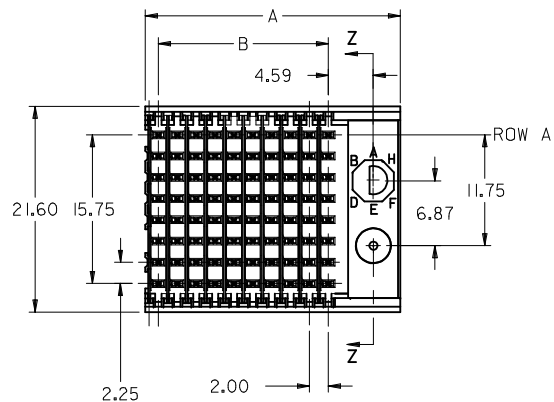
**Application Tooling | FAQ**  
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

| Global                 |                            |
|------------------------|----------------------------|
| Description            | Product #                  |
| Flat Rock Tooling for  | <a href="#">0622013700</a> |
| Pneumatic Press        |                            |
| VHDM® Signal Pin       | <a href="#">0622015700</a> |
| Insertor Repair Tool   |                            |
| VHDM® 8 Row Pin        | <a href="#">0622015900</a> |
| and Shield Repair Tool |                            |
| VHDM® 8 Row            | <a href="#">0622016100</a> |
| Shield Extraction Tool |                            |

|                                                                          |                              |                     |                   |
|--------------------------------------------------------------------------|------------------------------|---------------------|-------------------|
| Plating min: Termination (µin)                                           | 30                           | VHDM® Insertion     | <u>0622020206</u> |
| Plating min: Termination (µm)                                            | 0.75                         | Module for Advanced |                   |
| Polarized to PCB                                                         | Yes                          | Mate Signal Header, |                   |
| Stackable                                                                | No                           | 6 Row by 25 Wide,   |                   |
| Surface Mount Compatible (SMC)                                           | Yes                          | 50.00mm (1.97")     |                   |
| Temperature Range - Operating                                            | -55°C to +105°C              | VHDM® Insertion     | <u>0622020210</u> |
| Termination Interface: Style                                             | Through Hole - Compliant Pin | Module for Standard |                   |
| <b>Electrical</b>                                                        |                              | Shield Signal       |                   |
| Current - Maximum per Contact                                            | 1A                           | Header, 8 Row by    |                   |
| Data Rate                                                                | 3.125 Gbps                   | 25 Wide, 50.00mm    |                   |
| Real Signals (per 25mm)                                                  | 100                          | (1.97")             |                   |
| Shield Type                                                              | Ground Plane Shield          |                     |                   |
| Shielded                                                                 | Yes                          |                     |                   |
| Voltage - Maximum                                                        | 120V AC (RMS)/DC             |                     |                   |
| <b>Material Info</b>                                                     |                              |                     |                   |
| <b>Reference - Drawing Numbers</b>                                       |                              |                     |                   |
| Sales Drawing                                                            | SD-74062-002                 |                     |                   |
| VHDM and Very High Density Metric are trademarks of Amphenol Corporation |                              |                     |                   |

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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>DRWN:BSMART 2009/02/23<br>CHKD:SDANIELLEY 2009/02/23<br>APPR:SMILLER 2009/02/23 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION                                                                                                                   | REV         | GENERAL TOLERANCES (UNLESS SPECIFIED) |                    | DIMENSION STYLE<br>MM ONLY |            | SCALE                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |  |            |
|                                                                                                                             |                                   |                                                                                                                               |             | mm                                    | INCH               | DRAWN BY                   | DATE       | TITLE<br><br>VHDM 8 ROW<br>SHIELD END BACKPLANE<br>SALES ASSEMBLY |                        |                                                                                                              |  |            |
|                                                                                                                             |                                   |                                                                                                                               |             | 4 PLACES                              | ± ---              | ± ---                      | MWANG      |                                                                   |                        |                                                                                                              |  | 1998/11/12 |
|                                                                                                                             |                                   |                                                                                                                               |             | 3 PLACES                              | ± ---              | ± ---                      | CHECKED BY | DATE                                                              | MOLEX INCORPORATED     |                                                                                                              |  |            |
|                                                                                                                             |                                   |                                                                                                                               |             | 2 PLACES                              | ± ---              | ± ---                      | JLAURX     | 1998/11/12                                                        |                        |                                                                                                              |  |            |
| 1 PLACE                                                                                                                     | ± ---                             | ± ---                                                                                                                         | APPROVED BY | DATE                                  | MOLEX INCORPORATED |                            |            |                                                                   |                        |                                                                                                              |  |            |
| ANGULAR ±1/2°                                                                                                               |                                   | CB1XLER                                                                                                                       | 1998/11/12  | MATERIAL NO.                          |                    |                            |            |                                                                   | DOCUMENT NO.           | SHEET NO.                                                                                                    |  |            |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                  |                                   | SEE SHEET 2                                                                                                                   |             | SD-74062-002                          |                    | 1 OF 2                     |            |                                                                   |                        |                                                                                                              |  |            |
| SIZE                                                                                                                        |                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                       |                    |                            |            |                                                                   |                        |                                                                                                              |  |            |

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| 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              |                   |

|                                                                                                                                    |                               |                                                                                             |  |                                                |  |                                                               |                        |                                                                                                                                  |                        |  |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|--|------------------------------------------------|--|---------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|--|
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|                                                                                                                                    |                               | mm      INCH                                                                                |  | DRAWN BY      DATE<br>MWANG      1998/11/12    |  | TITLE<br>VHDM 8 ROW<br>SHIELD END BACKPLANE<br>SALES ASSEMBLY |                        | MOLEX INCORPORATED                                                                                                               |                        |  |
|                                                                                                                                    |                               | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± --- |  | CHECKED BY      DATE<br>JLAURX      1998/11/12 |  | APPROVED BY      DATE<br>CBIXLER      1998/11/12              |                        | MOLEX                                                                                                                            |                        |  |
|                                                                                                                                    |                               | ANGULAR ±1/2°                                                                               |  | MATERIAL NO.                                   |  | DOCUMENT NO.                                                  |                        | SHEET NO.                                                                                                                        |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                         |                               | SEE CHART                                                                                   |  | SD-74062-002                                   |  | 2 OF 2                                                        |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |  |

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Поставку компонентов, требующих военную и космическую приемку.
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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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