

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0740611002](#)  
**Status:** **Active**  
**Overview:** [vhdm](#)  
**Description:** 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Pin End Version, 80 Circuits, Pin Length 6.25mm (.246")

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">74061</a>
Application	Backplane
Application Tooling Documents	<a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">http://www.molex.com/pdm_docs/ats/TM-622010999.pdf</a> >Tooling Manual</a>
Comments	No Keying Position
Component Type	PCB Header
Overview	<a href="#">vhdm</a>
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
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
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes
Stackable	No

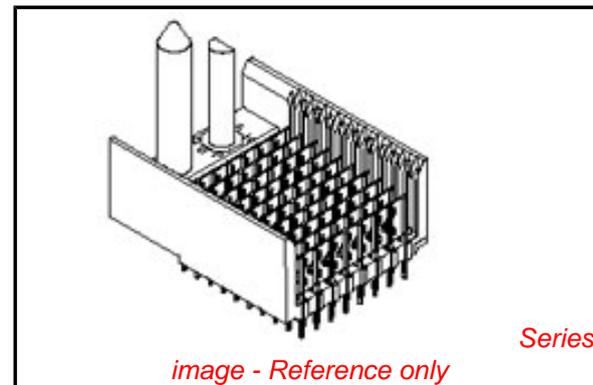


image - Reference only

**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

Not Reviewed

**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**

[74061Series](#)

**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 #
VHDM® Signal Pin Inserter Repair Tool	<a href="#">0622015700</a>
VHDM® 8 Row and Shield Repair Tool	<a href="#">0622015900</a>
VHDM® 8 Row Shield Extraction Tool	<a href="#">0622016100</a>

Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating 105°C max  
Termination Interface: Style Through Hole - Compliant Pin

### Electrical

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

### Material Info

### Reference - Drawing Numbers

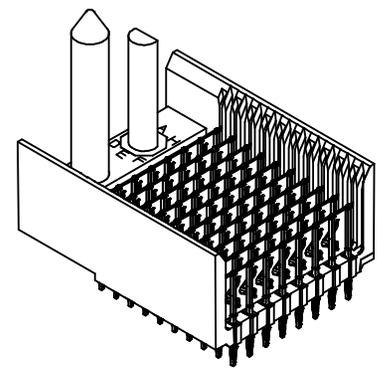
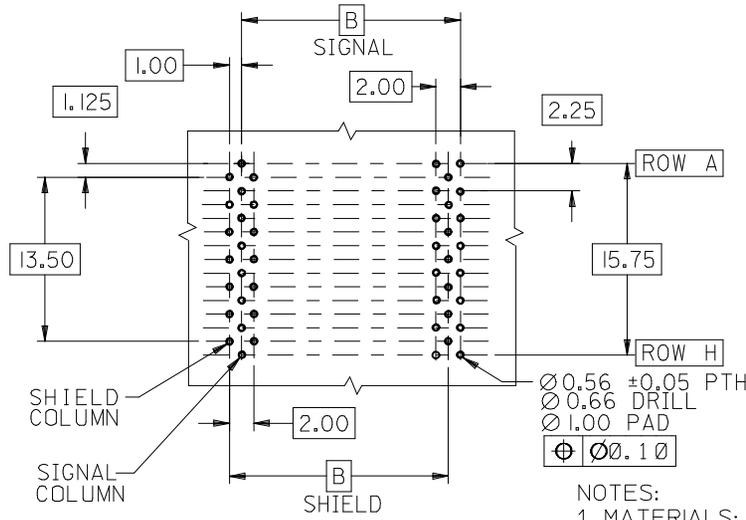
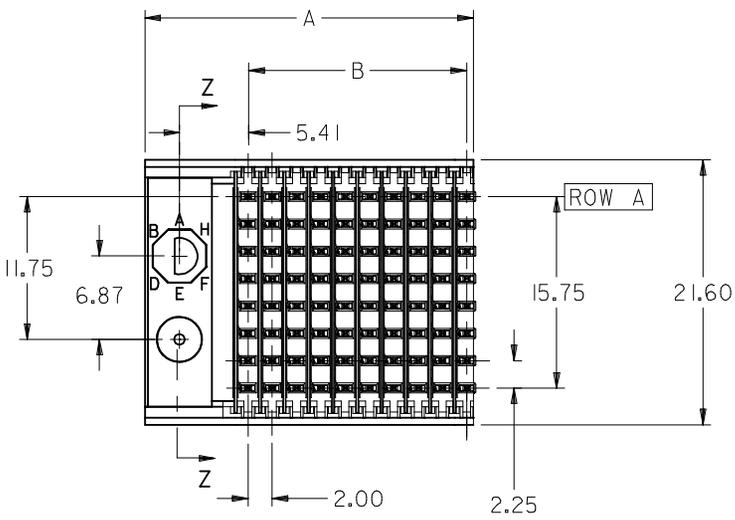
Sales Drawing SD-74061-002

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VHDM® Insertion [0622020205](#)  
Module for Advanced  
Mate Signal Header,  
8 Row by 10 Wide,  
20.00mm (.787")  
VHDM® Insertion [0622020209](#)  
Module for Standard  
Shield Signal  
Header, 8 Row by  
10 Wide, 20.00mm  
(.787")  
Flat Rock Tooling for [0622013700](#)  
Pneumatic Press

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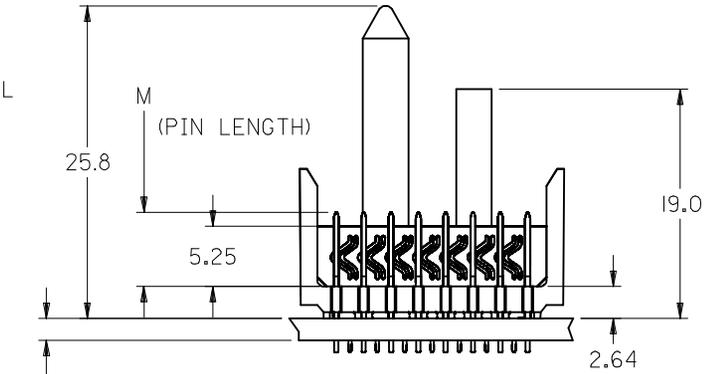
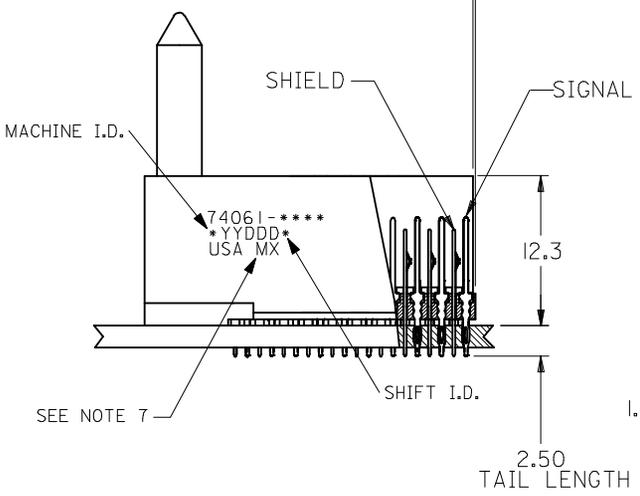
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**BACKPLANE HOLE PATTERN**  
RECOMMENDED DIMENSION

- NOTES:
- MATERIALS:  
HOUSING - LIQUID CRYSTAL POLYMER (LCP),  
GLASS-FILLED, UL 94V-0, COLOR: BLACK  
SIGNAL PIN & SHIELD - COPPER ALLOY
  - FINISHES:  
CONTACT AREA: SELECTIVE GOLD (Au)  
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)  
OR SELECTIVE MATTE TIN (Sn)  
NICKEL (Ni) OVERALL.
  - THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999
  - FOR MIXED CONTACT LENGTHS CONSULT MOLEX FOR AVAILABILITY
  - FOR SPECIFIC MATERIAL NUMBERS & MATING INFORMATION REFER TO SHEET 2
  - PACKAGE PER PK-74061-003
  - EITHER MARK PART WITH PART NUMBER & DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.

0.26 MAX OVERALL PROTRUSION



1.8 MIN PCB

CORRECTED DIMS EC NO: UCP2008-0329 DRWN: J JONIAK 2007/08/28 CHKD: J JONIAK 2007/08/28 APPR: C BIXLER 2007/08/28	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		$\nabla=0$ $\nabla=7$	mm INCH	MM ONLY	2.5:1	METRIC	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY DATE MWANG 1998/11/09	CHECKED BY DATE JLAURX 1998/11/09	APPROVED BY DATE C BIXLER 1998/11/09	TITLE	
		ANGULAR ±1/2°	MATERIAL NO.		DOCUMENT NO.		SHEET NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2		SD-74061-002		1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

VHDM 8 ROW  
SIGNAL END BACKPLANE  
SALES ASSEMBLY

**MOLEX INCORPORATED**

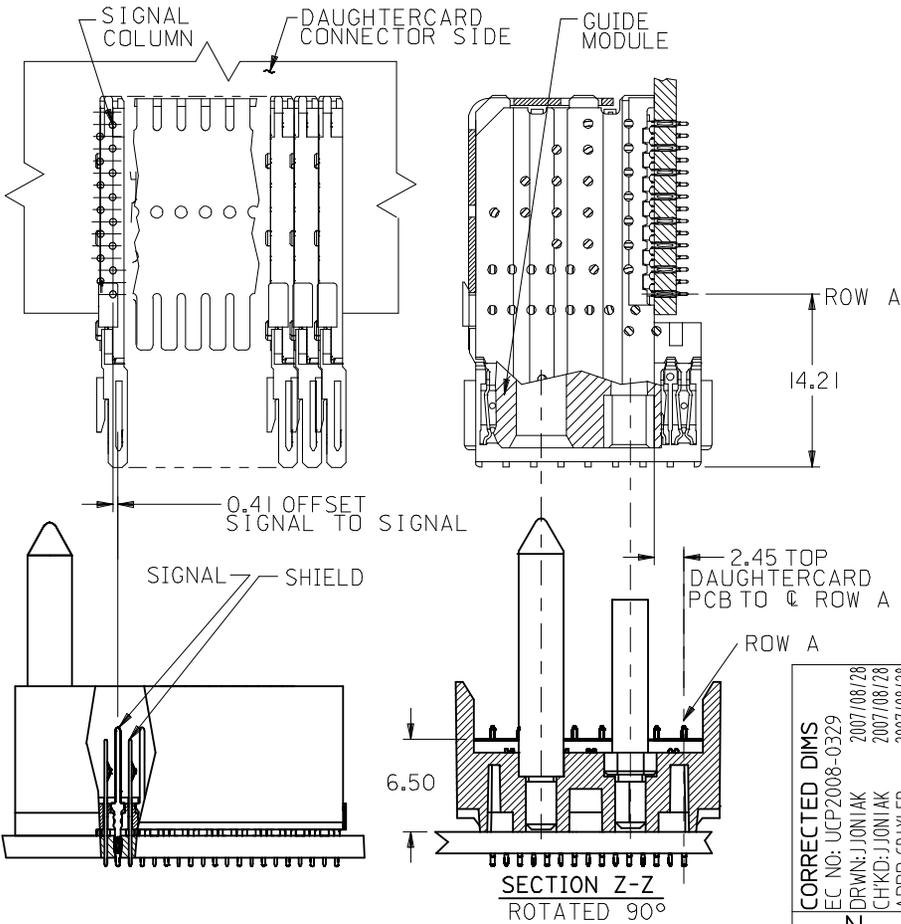
M/N 74061-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H

74061 - \* \* \* \*

NUMBER OF COLUMNS/PLATING  
 10 = 10 COLUMN TIN/LEAD  
 12 = 12 COLUMN TIN/LEAD\*  
 25 = 25 COLUMN TIN/LEAD  
 90 = 10 COLUMN MATTE TIN  
 92 = 12 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

\*12 COLUMN P/N'S ON SHEET 3



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74061-*0*1	10	80	10	27.00	18.00	4.75	0.76	0.76-1.52
74061-*0*6							1.27	
74061-*5*1							0.76	
74061-*5*6	25	200	25	57.00	48.00	6.25	1.27	
74061-*0*2							0.76	
74061-*0*7							1.27	
74061-*5*2	25	200	25	57.00	48.00	4.25	0.76	
74061-*5*7							1.27	
74061-*0*3							0.76	
74061-*0*8	10	80	10	27.00	18.00	5.15	1.27	
74061-*5*3							0.76	
74061-*5*8							1.27	
74061-*0*4	10	80	10	27.00	18.00	4.25	0.76	
74061-*0*9							1.27	
74061-*5*4							0.76	
74061-*5*9	25	200	25	57.00	48.00	6.25	1.27	
							0.76	
							1.27	

<b>CORRECTED DIMS</b> EC NO: UCP2008-0329 DRAWN: J JONIAK 2007/08/28 CHKD: J JONIAK 2007/08/28 APPR: CBIXLER 2007/08/28 N	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 DATE MWANG 1998/11/09 CHECKED BY DATE JLAURX 1998/11/09 APPROVED BY DATE CBIXLER 1998/11/09	SCALE 2.5:1 DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	VHD8 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY				
	MOLEX INCORPORATED				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART	DOCUMENT NO. SD-74061-002

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## 12 COLUMN P/N CHART

PART NUMBER	COLUMN	NUMBER OF SIGNAL	OF PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74061-*2*1	12	96		12	31.00	22.00	4.75	0.76	0.76-1.52
74061-*2*6								1.27	
74061-*2*2	12	96		12	31.00	22.00	6.25	0.76	
74061-*2*7								1.27	
74061-*2*3	12	96		12	31.00	22.00	4.25	0.76	
74061-*2*8								1.27	
74061-*2*4	12	96		12	31.00	22.00	5.15	0.76	
74061-*2*9								1.27	

CORRECTED DIMS EC NO: UCP2008-0329 DRWN: JONI AK 2007/08/28 CHKD: JONI AK 2007/08/28 APPR: CBIXLER 2007/08/28 N	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		 		mm	INCH	DRAWN BY MWANG	DATE 1998/11/09	TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY		
			4 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 1998/11/09			
			3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1998/11/09	MOLEX INCORPORATED DOCUMENT NO. SD-74061-002 SHEET NO. 3 OF 3		
			2 PLACES	± ---	± ---	ANGULAR ±1/2°				
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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### Офис по работе с юридическими лицами:

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