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Part Number: [0740619201](#)
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 4.75mm (.187")

Documents:
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	74061
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm
Product Name	VHDM®
Style	N/A

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
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
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
Surface Mount Compatible (SMC)	Yes

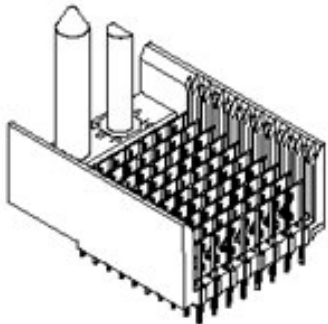


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

**Contains SVHC: No
Halogen-Free
Status**

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email 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	0622015700
VHDM® 8 Row Pin and Shield Repair Tool	0622015900
VHDM® 8 Row Shield Extraction Tool	0622016100

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

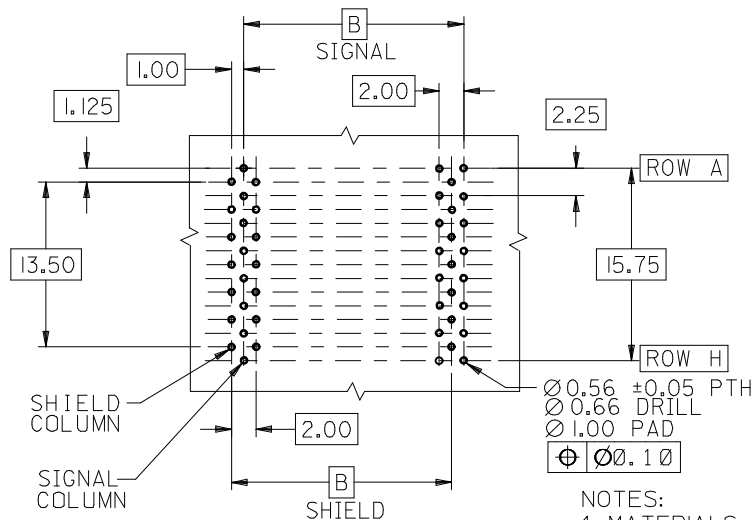
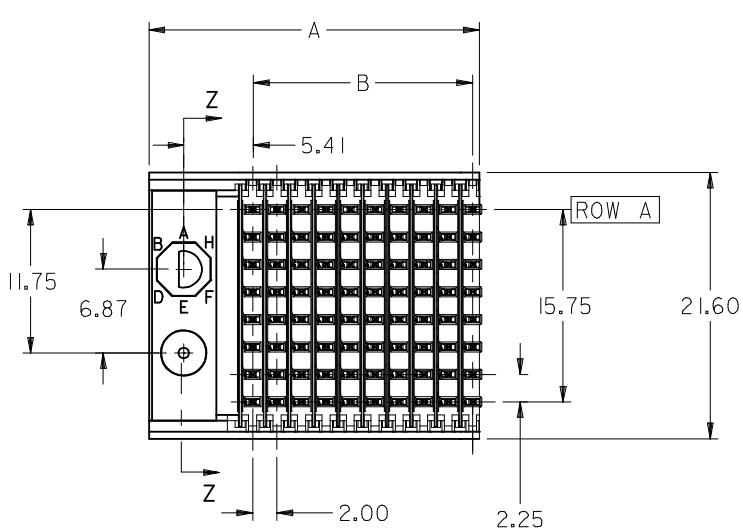
Reference - Drawing Numbers

Packaging Specification	PK-74061-003
Sales Drawing	SD-74061-002

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This document was generated on 06/01/2010

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BACKPLANE HOLE PATTERN RECOMMENDED DIMENSION

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.

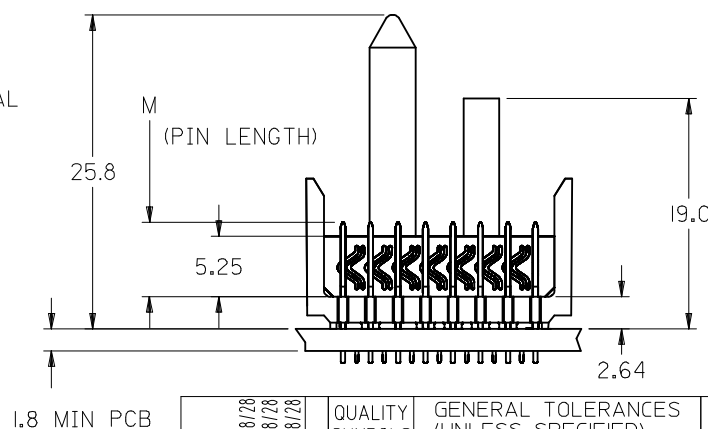
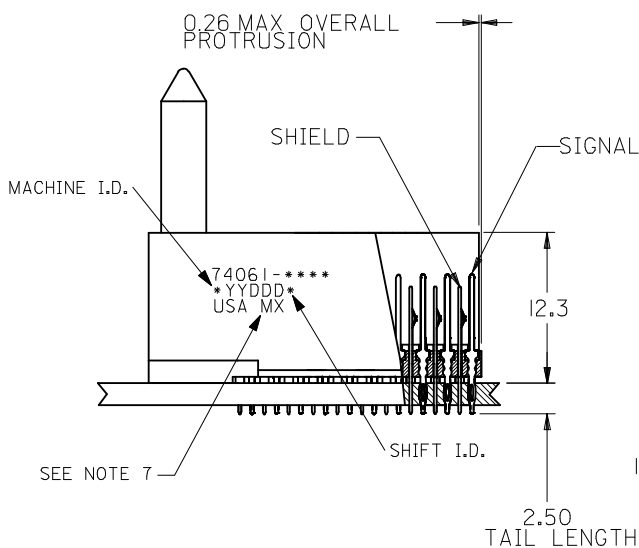
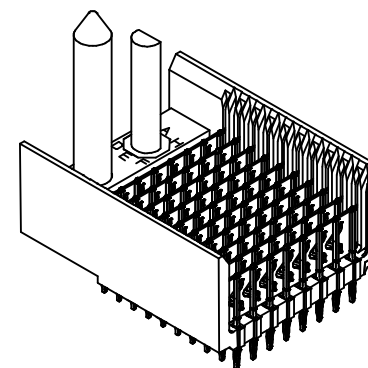
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999

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.



CORRECTED DIMS EC NO: UCP2008-0329 DRWN: JONI AK 2007/08/28 CHKD: JONI AK 2007/08/28 APPR: CBIXLER 2007/08/28			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm			INCH	DRAWN BY DATE		TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY MOLEX MOLEX INCORPORATED			
4 PLACES		± ---			± ---	MWANG 1998/11/09					
3 PLACES		± ---			± ---	CHECKED BY DATE					
2 PLACES		± ---			± ---	JLAURX 1998/11/09					
1 PLACE		± ---	± ---	APPROVED BY DATE		MOLEX MOLEX INCORPORATED					
		ANGULAR ±1/2°		CIBIXER 1998/11/09							
				MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-74061-002		1 OF 3			
				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

E

D

C

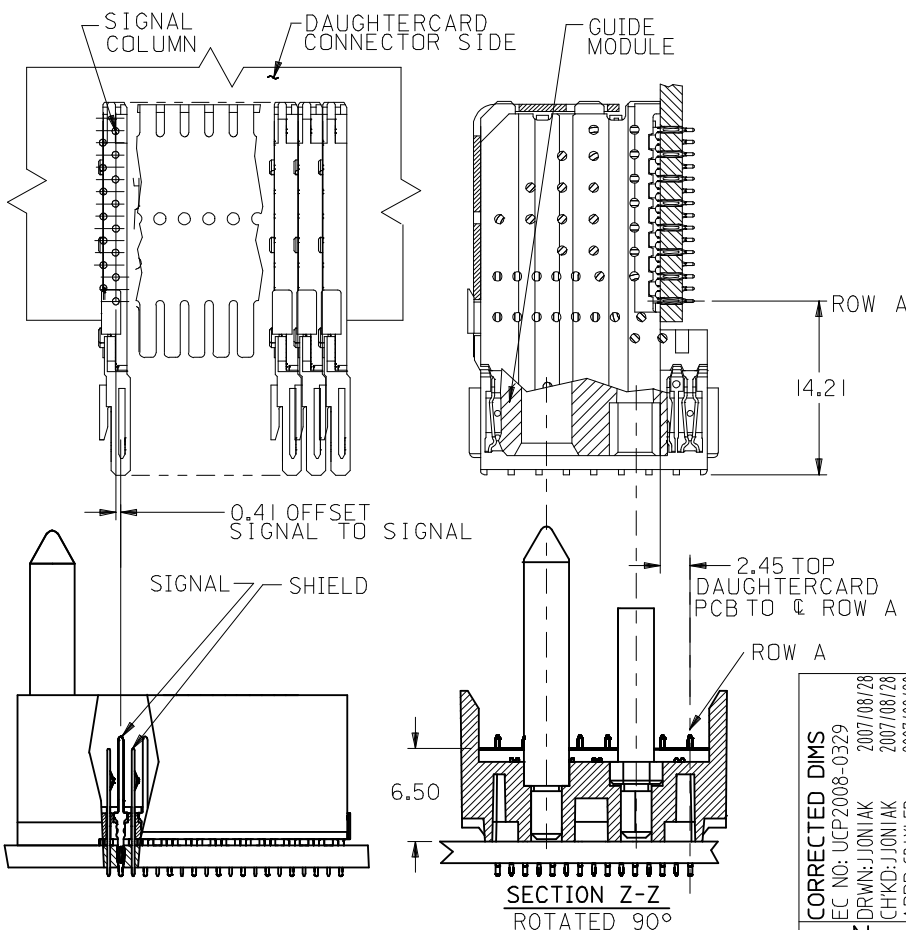
B

A

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

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	25	200	25	57.00	48.00	6.25	0.76	
74061-5*6							1.27	
74061-0*2	10	80	10	27.00	18.00	4.25	0.76	
74061-0*7							1.27	
74061-5*2	25	200	25	57.00	48.00	5.15	0.76	
74061-5*7							1.27	
74061-0*3	10	80	10	27.00	18.00	4.75	0.76	
74061-0*8							1.27	
74061-5*3	25	200	25	57.00	48.00	6.25	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	25	200	25	57.00	48.00	5.15	0.76	
74061-5*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	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	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
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-74061-002		2 OF 3						
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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