

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740611022

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](#)

[Drawing \(PDF\)](#)

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

General

Product Family

Backplane Connectors

Series

74061

Application

Backplane

Application Tooling Documents

[Tooling Manual](http://www.molex.com/pdm_docs/ats/TM-622010999.pdf)

Comments

Keying Position B

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

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

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

30

Plating min: Termination (µm)

0.75

Polarized to PCB

Yes

Stackable

No

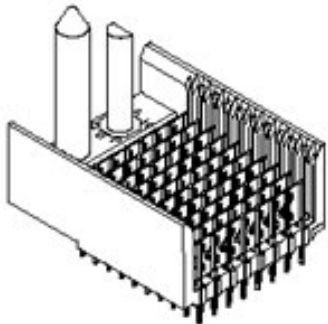


image - Reference only

Series

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

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.

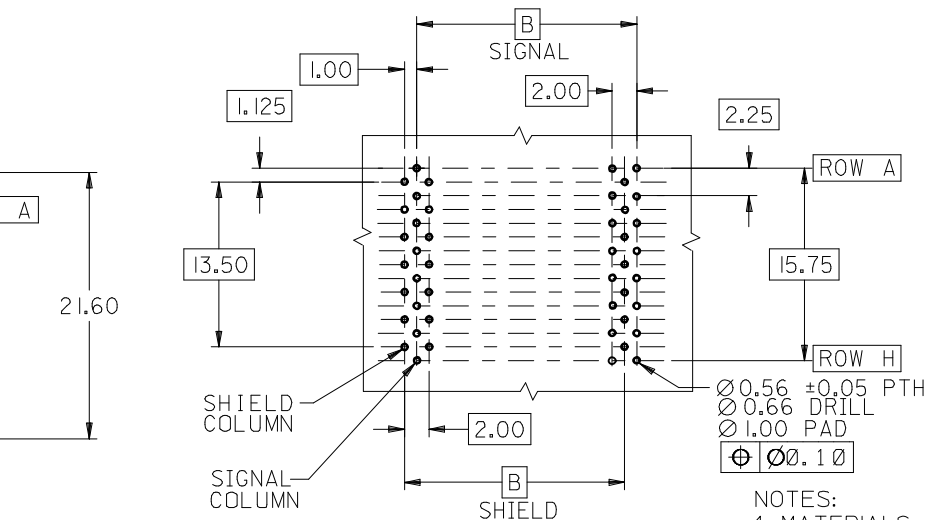
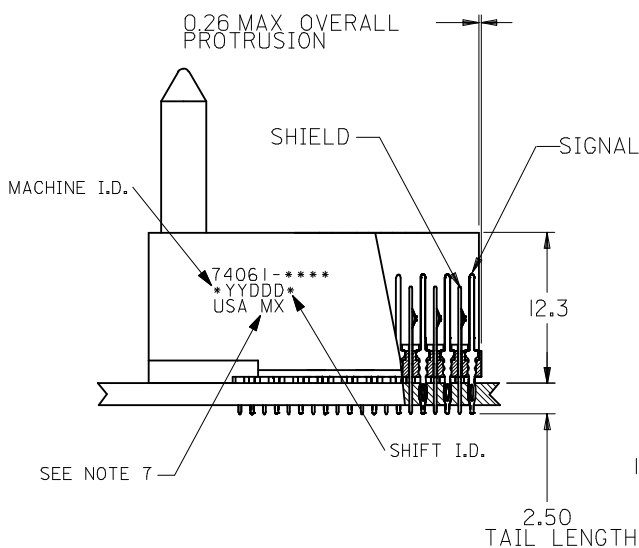
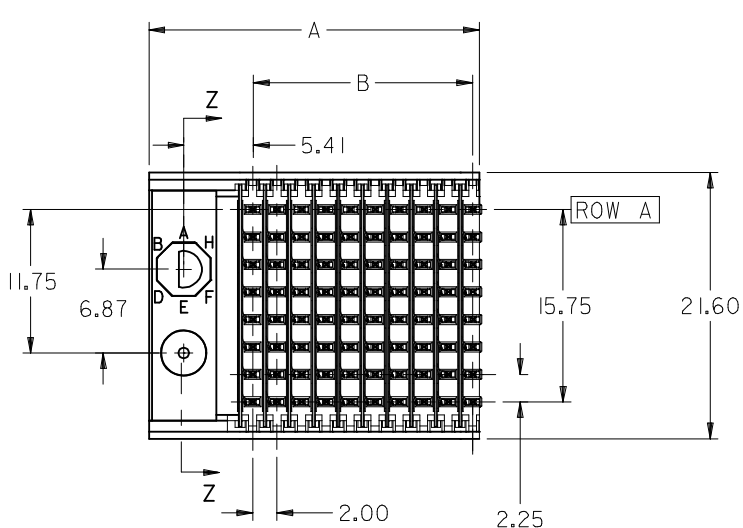
Global

Description	Product #
VHDM® Signal Pin Inserter Repair Tool	0622015700
VHDM® 8 Row and Shield Repair Tool	0622015900
VHDM® 8 Row Shield Extraction Tool	0622016100

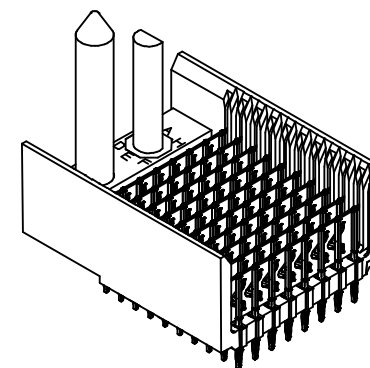
Surface Mount Compatible (SMC)	Yes	VHDM® Insertion <u>0622020205</u>
Temperature Range - Operating	105°C max	Module for Advanced
Termination Interface: Style	Through Hole - Compliant Pin	Mate Signal Header,
		8 Row by 10 Wide,
		20.00mm (.787")
Electrical		VHDM® Insertion <u>0622020209</u>
Current - Maximum per Contact	1A	Module for Standard
Data Rate	3.125 Gbps	Shield Signal
Real Signals (per 25mm)	100	Header, 8 Row by
Shield Type	Ground Plane Shield	10 Wide, 20.00mm
Shielded	Yes	(.787")
Voltage - Maximum	120V AC (RMS)/DC	Flat Rock Tooling for <u>0622013700</u>
		Pneumatic Press
Material Info		
Reference - Drawing Numbers		
Sales Drawing	SD-74061-002	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

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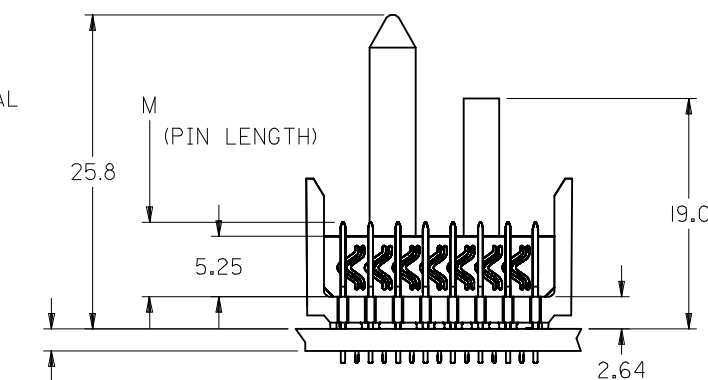


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION



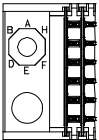
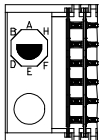
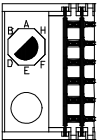
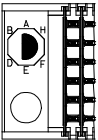
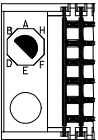
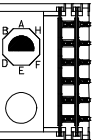
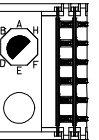
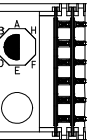
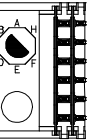
NOTES:

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			QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></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><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table>			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 CBIXER 1998/11/09 MATERIAL NO. SEE SHEET 2		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY MOLEX MOLEX INCORPORATED		SHEET NO. 1 OF 3	
							mm	INCH																									
						4 PLACES	± ---	± ---																									
						3 PLACES	± ---	± ---																									
						2 PLACES	± ---	± ---																									
1 PLACE	± ---	± ---																															
ANGULAR ±1/2°																																	
DESCRIPTION N	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																												

10 9 8 7 6 5 4 3 2 74061

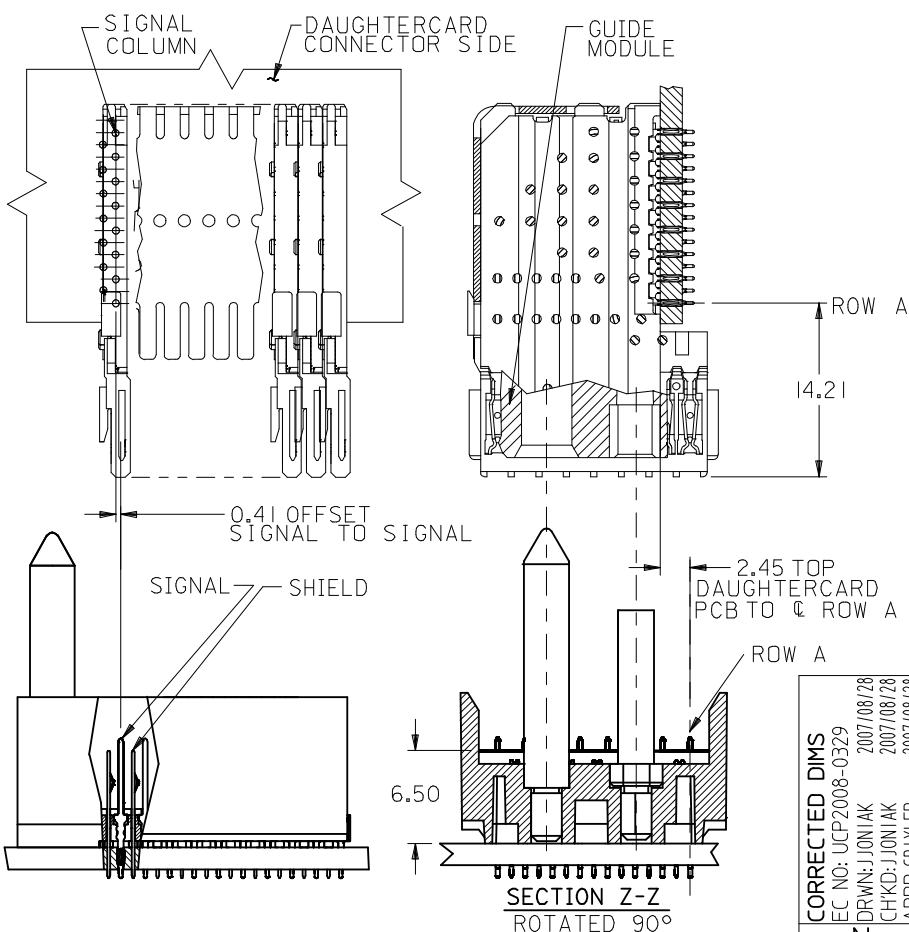
M/N 74061-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H
									

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

CORRECTED DIMS EC NO: UCP2008-0329 DRAWN: 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 MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	JLAURX	1998/11/09					
			2 PLACES	± ---	± ---	APPROVED BY	DATE					
			1 PLACE	± ---	± ---	CBIXLER	1998/11/09	DOCUMENT NO. SD-74061-002				
			ANGULAR ±1/2°		MATERIAL NO.		SHEET NO. 2 OF 3					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART						
REV				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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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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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

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