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Part Number:

0740619021

Status:

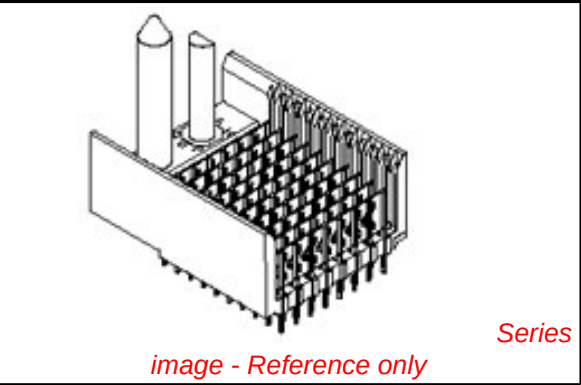
Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Pin End Version, Lead Free, 80 Circuits, Pin Length 4.75mm (.187")



Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

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

General	
Product Family	Backplane Connectors
Series	74061
Application	Backplane
Application Tooling Documents	Tooling Manual
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
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

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.

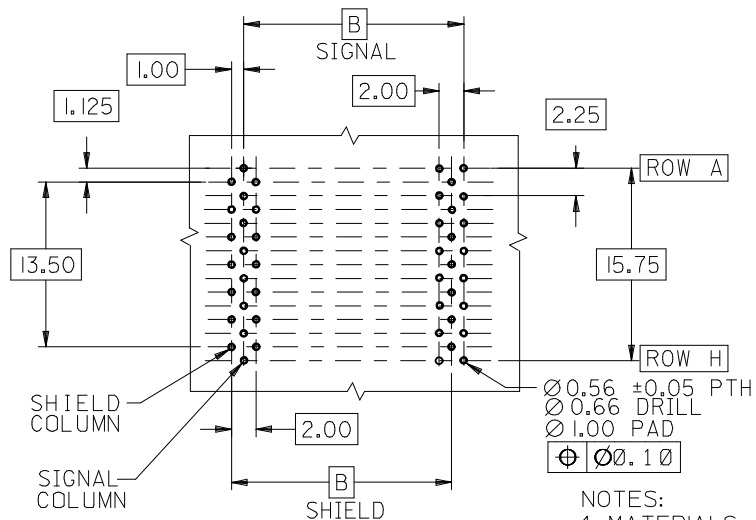
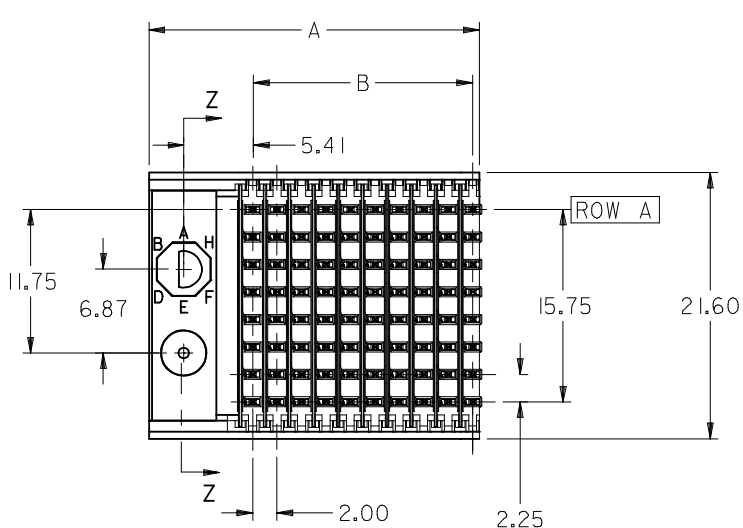
Global

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

Stackable	No	VHDM® Insertion 0622020205
Surface Mount Compatible (SMC)	Yes	Module for Advanced
Temperature Range - Operating	105°C max	Mate Signal Header,
Termination Interface: Style	Through Hole - Compliant Pin	8 Row by 10 Wide,
		20.00mm (.787")
Electrical		VHDM® Insertion 0622020209
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 0622013700
		Pneumatic Press
Material Info		
Reference - Drawing Numbers		
Product Specification	PS-74031-999	
Sales Drawing	SD-74061-002	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

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$\varnothing 0.56 \pm 0.05$ PTH
 $\varnothing 0.66$ DRILL
 $\varnothing 1.00$ PAD
 $\varnothing \varnothing 0.10$

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.

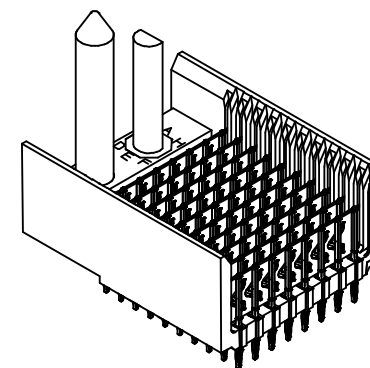
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999

4. FOR MIXED CONTACT LENGTHS CONSULT MOLEX FOR AVAILABILITY

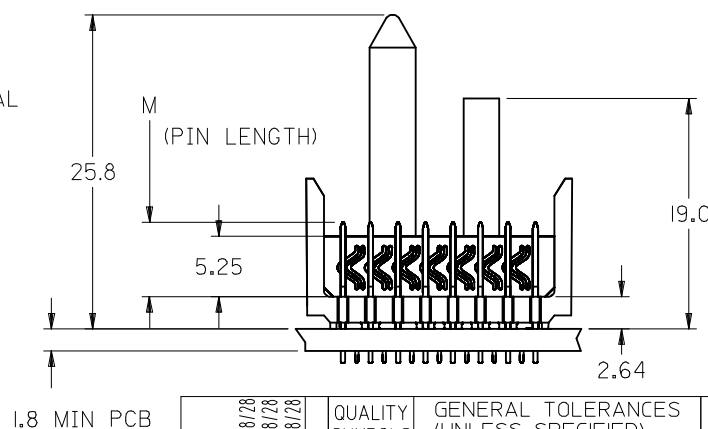
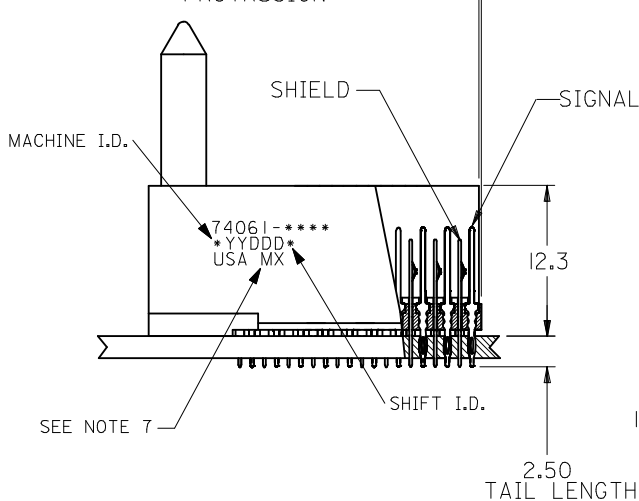
5. FOR SPECIFIC MATERIAL NUMBERS & MATING INFORMATION REFER TO SHEET 2

6. PACKAGE PER PK-74061-003

7. EITHER MARK PART WITH PART NUMBER & DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.



0.26 MAX. OVERALL PROTRUSION



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 MWANG 1998/11/09		TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY  MOLEX INCORPORATED			
		4 PLACES ± ---	± ---	CHECKED BY DATE JLAURX 1998/11/09							
		3 PLACES ± ---	± ---	APPROVED BY DATE CBIXER 1998/11/09							
		2 PLACES ± ---	± ---								
		1 PLACE ± ---	± ---	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	
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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 -

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*

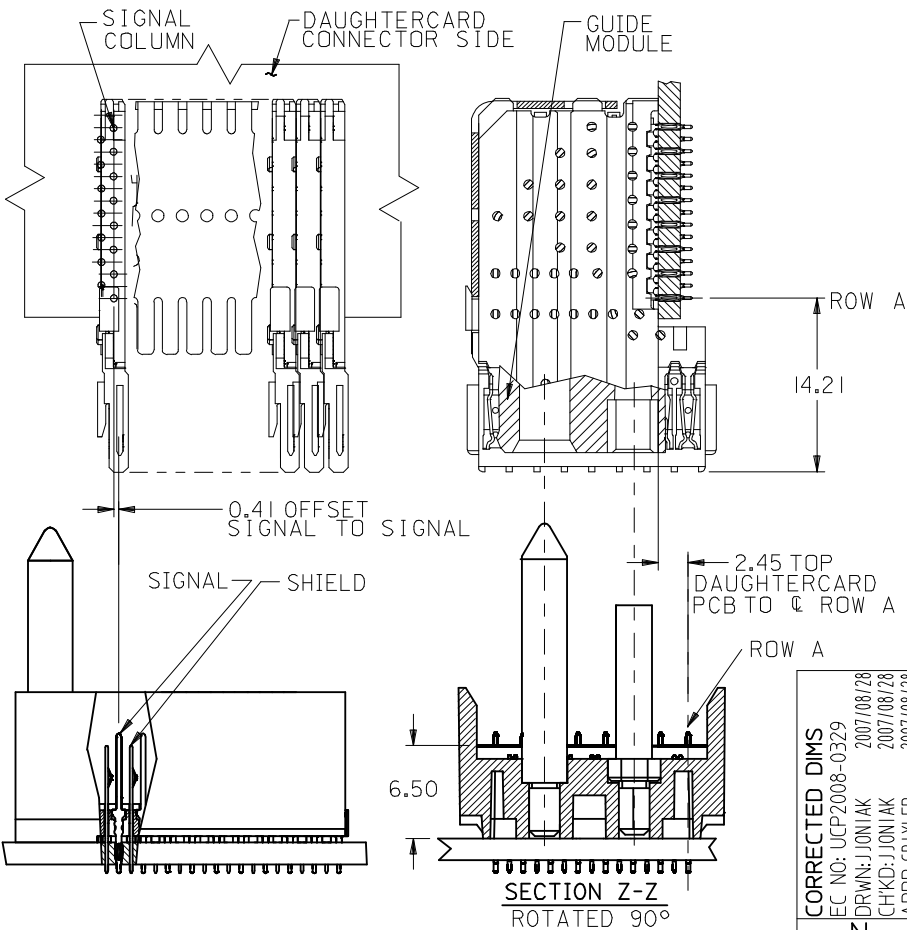
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*

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	6.25	0.76	
74061-5*6								1.27	
74061-0*2	10	80	10	10	27.00	18.00	4.25	0.76	
74061-0*7								1.27	
74061-5*2	25	200	25	25	57.00	48.00	5.15	0.76	
74061-5*7								1.27	
74061-0*3	10	80	10	10	27.00	18.00	4.75	0.76	
74061-0*8								1.27	
74061-5*3	25	200	25	25	57.00	48.00	6.25	0.76	
74061-5*8								1.27	
74061-0*4	10	80	10	10	27.00	18.00	4.25	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 DRWN: JIONIAK 2007/08/28 CHKD: JIONIAK 2007/08/28 APPR: CBIXLER 2007/08/28 REV	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 MATERIAL NO.	SCALE 2.5:1 TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY MOLEX INCORPORATED DOCUMENT NO. SD-74061-002 SHEET NO. 2 OF 3

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

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

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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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