

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0740612513](#)
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, 200 Circuits, Pin Length 4.25mm (.167")

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

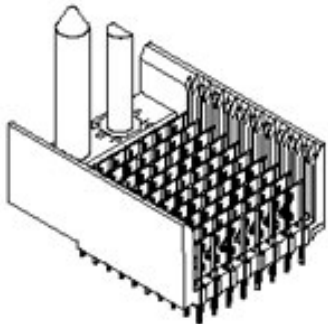
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	74061
Application	Backplane
Application Tooling Documents	TM-622010999.pdf >Tooling Manual
Comments	Keying Position A
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
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
Surface Mount Compatible (SMC)	Yes



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

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.

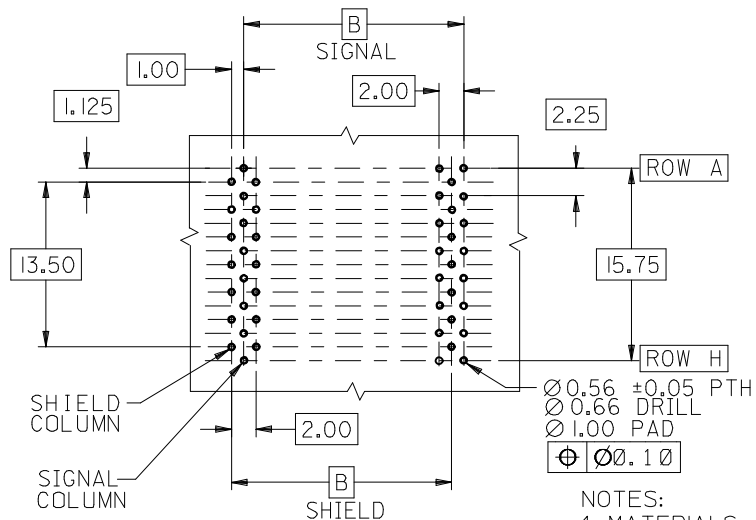
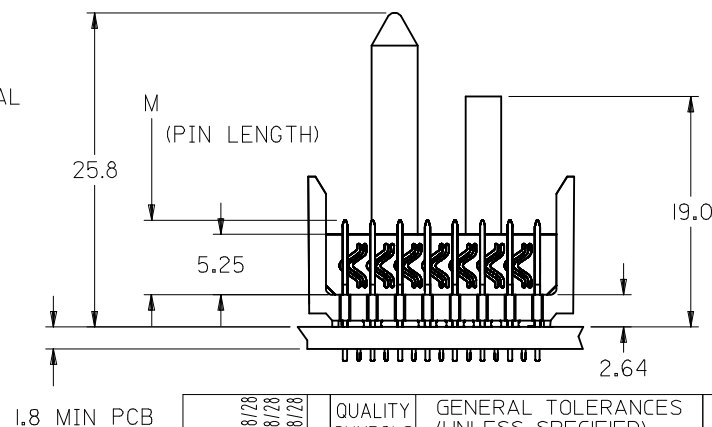
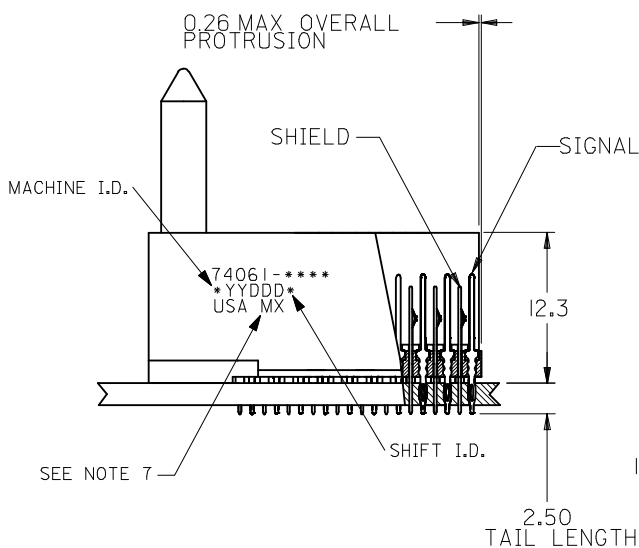
Global

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	VHDM® Insertion <u>0622020206</u>
Termination Interface: Style	Through Hole - Compliant Pin	Module for Advanced
Electrical		Mate Signal Header,
Current - Maximum per Contact	1A	6 Row by 25 Wide,
Data Rate	3.125 Gbps	50.00mm (1.97")
Real Signals (per 25mm)	100	VHDM® Insertion <u>0622020210</u>
Shield Type	Ground Plane Shield	Module for Standard
Shielded	Yes	Shield Signal
Voltage - Maximum	120V AC (RMS)/DC	Header, 8 Row by
		25 Wide, 50.00mm
Material Info		(1.97")
		Flat Rock Tooling for <u>0622013700</u>
Reference - Drawing Numbers		Pneumatic Press
Sales Drawing	SD-74061-002	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

This document was generated on 06/01/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

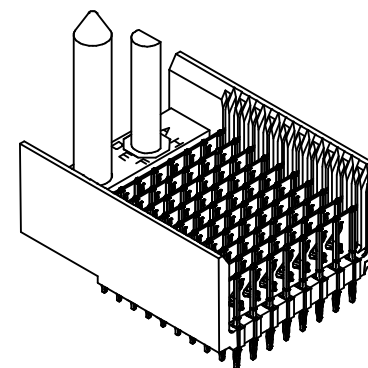


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION

Ø0.56 ±0.05 PTH
Ø0.66 DRILL
Ø1.00 PAD
⊕ Ø0.10

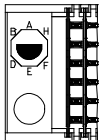
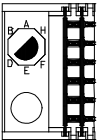
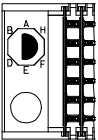
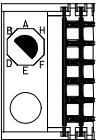
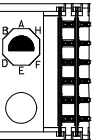
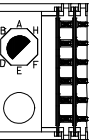
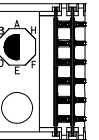
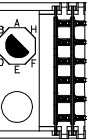
NOTES:

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.



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) <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><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></tbody></table> ANGULAR ±1/2°			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY MWANG DATE 1998/11/09 CHECKED BY JLAURX DATE 1998/11/09 APPROVED BY CBIXLER DATE 1998/11/09 MATERIAL NO.		SCALE 2.5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION		TITLE VHDM 8 ROW SIGNAL END BACKPLANE SALES ASSEMBLY		MOLEX INCORPORATED		SHEET NO. 1 OF 3	
	mm	INCH																															
4 PLACES	± ---	± ---																															
3 PLACES	± ---	± ---																															
2 PLACES	± ---	± ---																															
1 PLACE	± ---	± ---																															
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																								

F

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

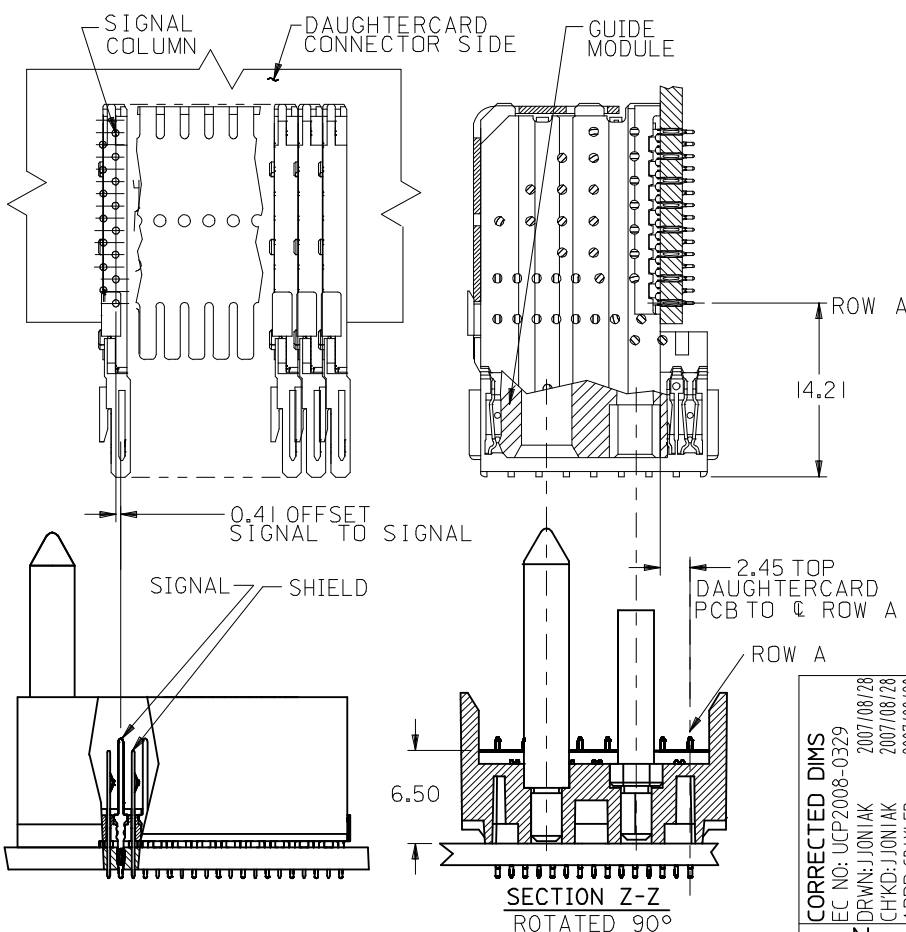
74061 - * * * *

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

E



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	

B

A

CORRECTED DIMS EC NO: UCP2008-0329 DRWN: JIONIAK 2007/08/28 CHKD: JIONIAK 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	DATE			
			2 PLACES	± ---	± ---	CBIXLER	1998/11/09			
			1 PLACE	± ---	± ---					
			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							

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А