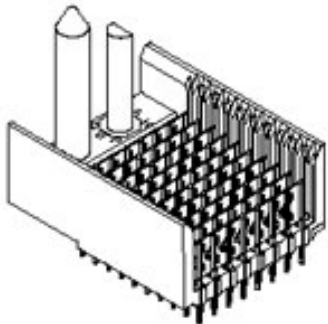


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0740618502](#)
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, 200 Circuits, Pin Length 6.25mm (.246")

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	74061
Application	Backplane
Application Tooling Documents	http://www.molex.com/pdm_docs/ats/TM-622010999.pdf >Tooling Manual
Comments	No Keying Position
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	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



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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](#)

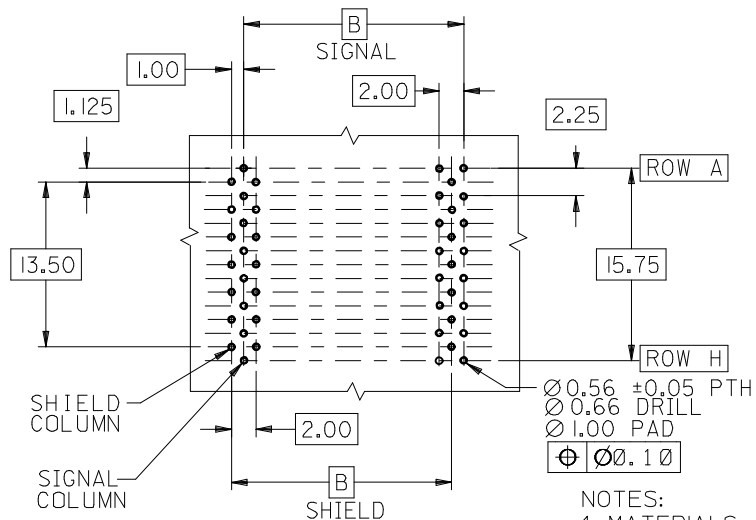
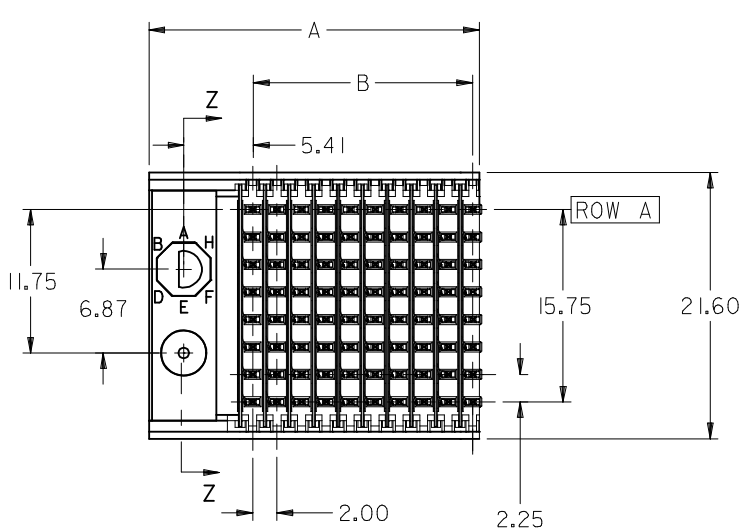
Mates With
[74040](#) VHDM® Board-to-Board Daughtercard Receptacle

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>0622020206</u>
Temperature Range - Operating	105°C max	Module for Advanced
Termination Interface: Style	Through Hole - Compliant Pin	Mate Signal Header,
Electrical		6 Row by 25 Wide,
Current - Maximum per Contact	1A	50.00mm (1.97")
Data Rate	3.125 Gbps	VHDM® Insertion <u>0622020210</u>
Real Signals (per 25mm)	100	Module for Standard
Shield Type	Ground Plane Shield	Shield Signal
Shielded	Yes	Header, 8 Row by
Voltage - Maximum	120V AC (RMS)/DC	25 Wide, 50.00mm
Material Info		(1.97")
		Flat Rock Tooling for <u>0622013700</u>
		Pneumatic Press
Reference - Drawing Numbers		
Sales Drawing	SD-74061-002	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation		

This document was generated on 06/01/2010

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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.

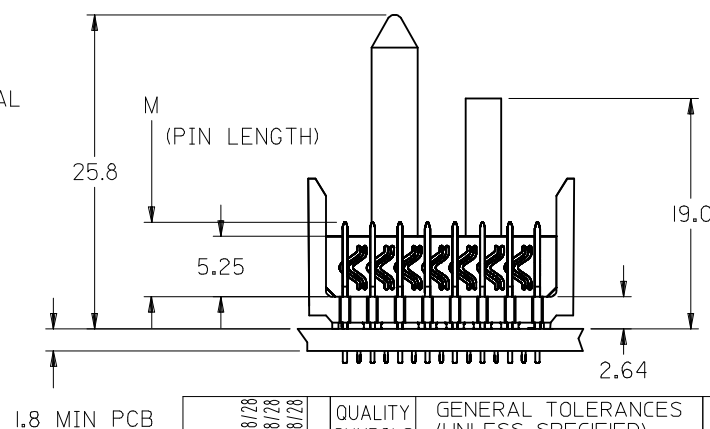
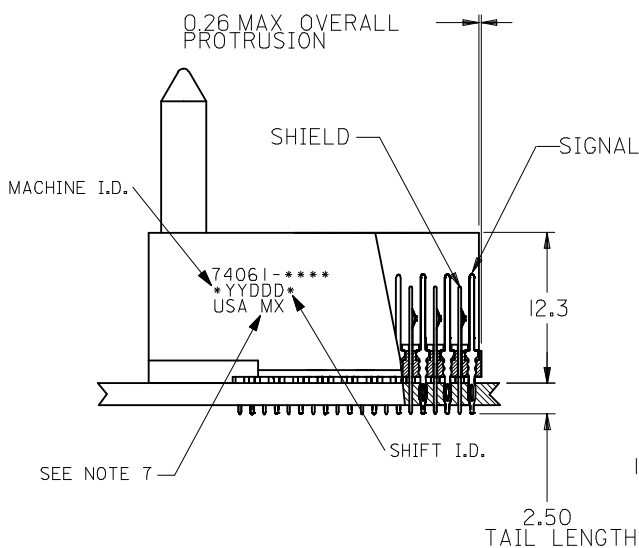
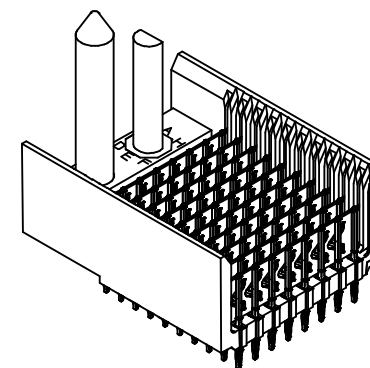
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999

4. FOR MIXED CONTACT LENGTHS CONSULT MOLEX FOR AVAILABILITY

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

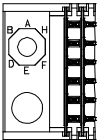
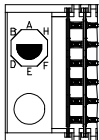
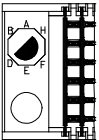
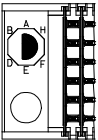
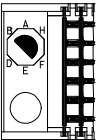
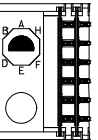
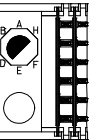
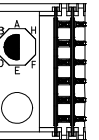
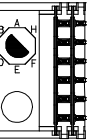
6. PACKAGE PER PK-74061-003

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



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							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				SEE SHEET 2		SD-74061-002		1 OF 3			
N				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

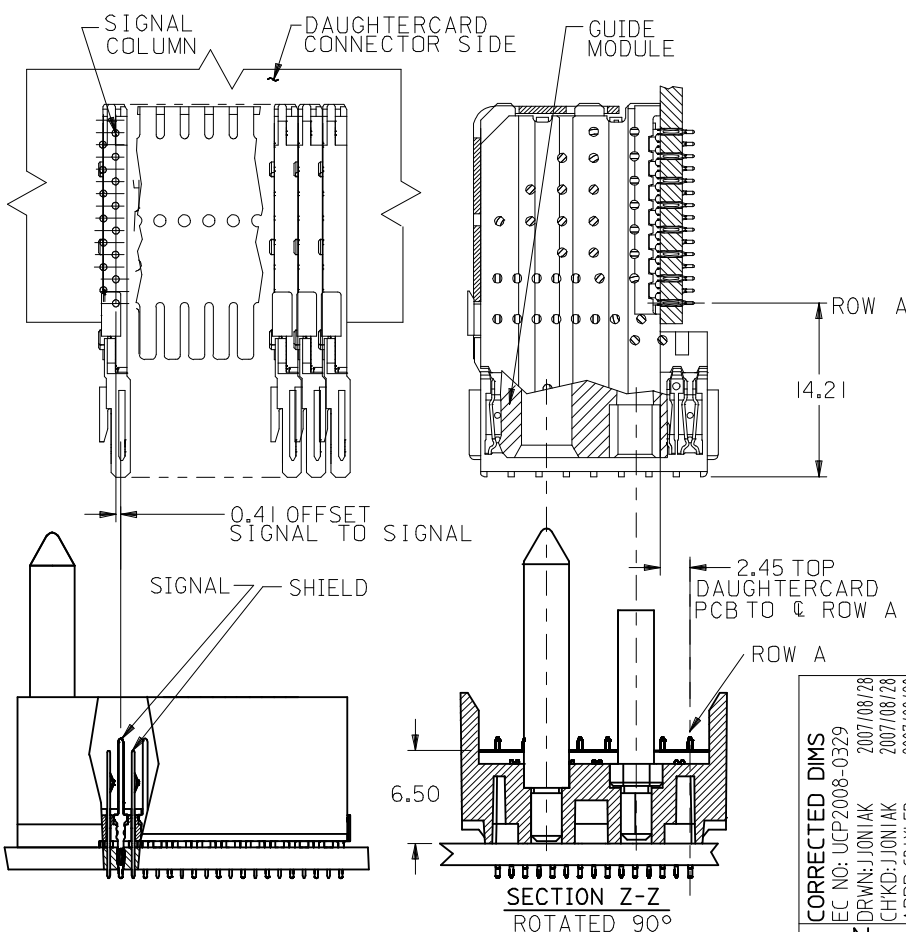
M/N 74061-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	O	A	B	C	D	E	F	G	H
									

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 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: JIONIAK 2007/08/28
CHKD: JIONIAK 2007/08/28
APPR: CBIXLER 2007/08/28

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

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.
SEE CHART

SCALE
2.5:1
TITLE
SD-74061-002

DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
VHDM 8 ROW
SIGNAL END BACKPLANE
SALES ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO.
SD-74061-002
SHEET NO.
2 OF 3
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