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Part Number: [0740622501](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Shield End Version, 200 Circuits, Pin Length 4.75mm (.187")

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

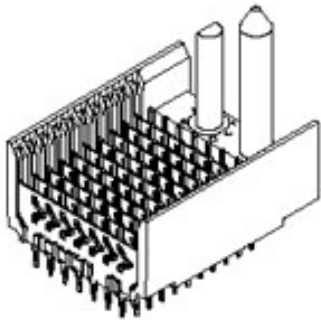
CSA LR19980

General

Product Family Backplane Connectors
Series [74062](#)
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) 200
Circuits (maximum) 200
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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-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



Series

image - Reference only

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
[74062Series](#)

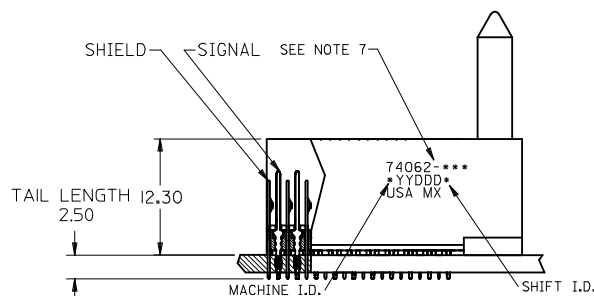
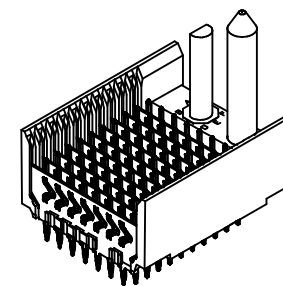
Mates With
[74040 VHDM® Board-to-Board Daughtercard Receptacle](#)

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 #
Flat Rock Tooling for Pneumatic Press	0622013700
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® 8 Row Pin and Shield Repair Tool	0622015900

Plating min: Termination (µin)	30	VHDM® 8 Row Shield Extraction Tool	0622016100
Plating min: Termination (µm)	0.75	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020206
Polarized to PCB	Yes	VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 25 Wide, 50.00mm (1.97")	0622020210
Stackable	Yes		
Surface Mount Compatible (SMC)	Yes		
Temperature Range - Operating	-55°C to +105°C		
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-74062-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

This document was generated on 05/19/2010

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- 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.

ADD NO GDE/NO KEY EC NO: UCP2009-2089 Z CHW4BSMART 2009/02/23 CHYKD-SDANALLEY 2009/02/23 APPR: SMILLER 2009/02/23	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY	DATE	TITLE					
			4 PLACES	± ---	± ---	MWANG	1998/11/12	VHDM 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY MOLEX MOLEX INCORPORATED					
			3 PLACES	± ---	± ---	CHECKED BY	DATE						
			2 PLACES	± ---	± ---	JLAURX	1998/11/12						
			1 PLACE	± ---	± ---	APPROVED BY	DATE						
			ANGULAR ±1/2°		CBXLER	1998/11/12	DOCUMENT NO.		SHEET NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 2		SD-74062-002		1 OF 2				
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
			C										

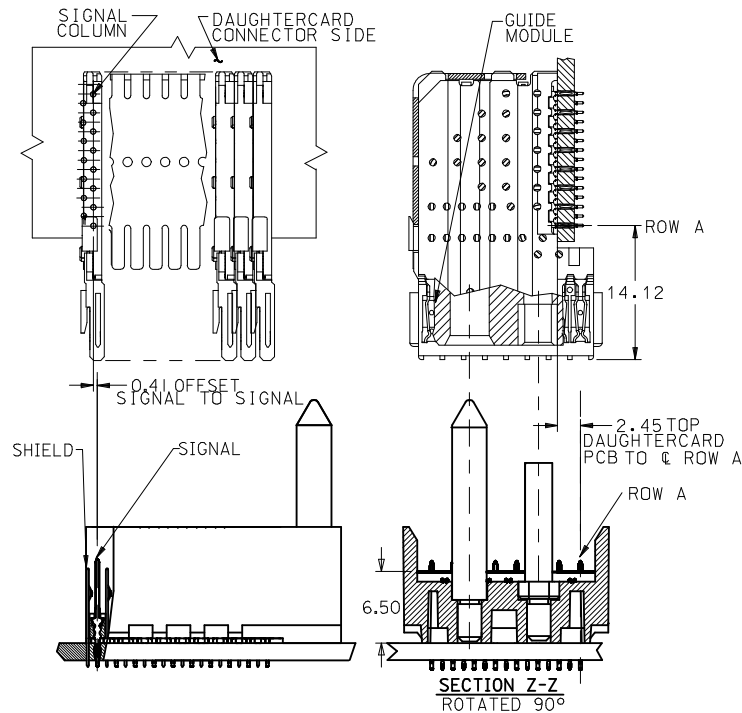
M/N 74062-()	---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*	---9*
KEYING PIN ORIENTATION										

NO GUIDE PIN
NO KEYING PIN

74062 - * * *

NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 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



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74062-*0*1	10	80	10	27.00	18.00	4.75	0.76	0.76-1.52
74062-*0*6							1.27	
74062-*5*1	25	200	25	57.00	48.00	6.25	0.76	
74062-*5*6							1.27	
74062-*0*2	10	80	10	27.00	18.00	4.25	0.76	
74062-*0*7							1.27	
74062-*5*2	25	200	25	57.00	48.00	5.15	0.76	
74062-*5*7							1.27	
74062-*0*3	10	80	10	27.00	18.00	4.75	0.76	
74062-*0*8							1.27	
74062-*5*3	25	200	25	57.00	48.00	6.25	0.76	
74062-*5*8							1.27	
74062-*0*4	10	80	10	27.00	18.00	5.15	0.76	
74062-*0*9							1.27	
74062-*5*4	25	200	25	57.00	48.00	4.75	0.76	
74062-*5*9							1.27	

ADD NO GDE/NO KEY EC NO: UCP2009-2089 DRWN:BSWART 2009/02/23 CHKD:SDANIELLEY 2009/02/23 APPR:SMILLER 2009/02/23	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY DATE	TITLE VHDM 8 ROW SHIELD END BACKPLANE SALES ASSEMBLY			
			4 PLACES ± --- ± ---	MWANG 1998/11/12					
			3 PLACES ± --- ± ---	CHECKED BY DATE					
			2 PLACES ± --- ± ---	JLAURX 1998/11/12					
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	1 PLACE ± --- ± ---	ANGULAR ±1/2°		APPROVED BY DATE		molex MOLEX INCORPORATED		
			CBIXLER 1998/11/12						
			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
SEE CHART		SD-74062-002		2 OF 2					
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SEE CHART

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