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Part Number: [0740602503](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Open Signal Module, 200 Circuits, Pin Length 4.25mm (.167")

Documents:

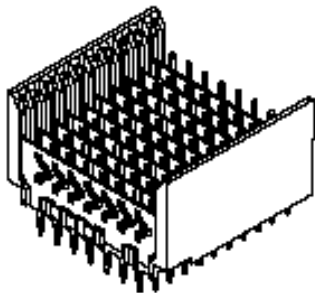
3D Model	Product Specification PS-74031-999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	74060
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Open Header
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	No
Keying to Mating Part	None
Material - Metal	Beryllium Copper, High Performance Alloy (HPA)
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)	0.039 In
Pitch - Term. Interface (mm)	1.00 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	Yes
Surface Mount Compatible (SMC)	Yes



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

[74060Series](#)

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.

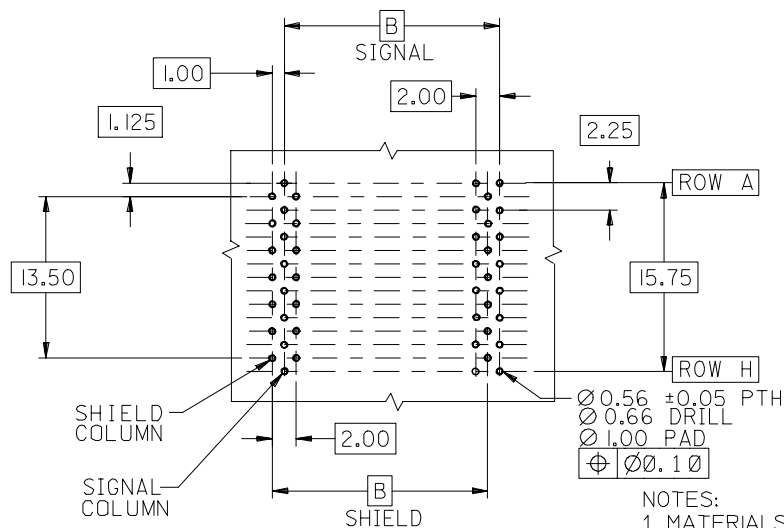
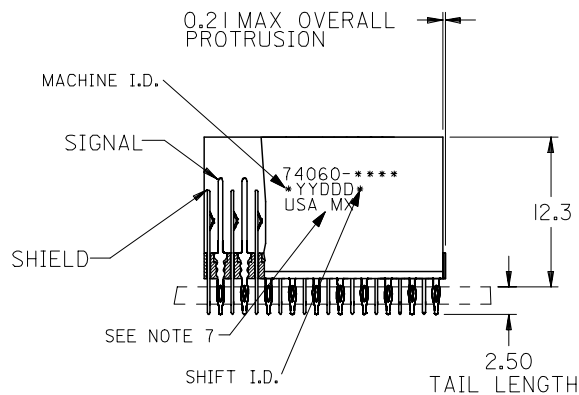
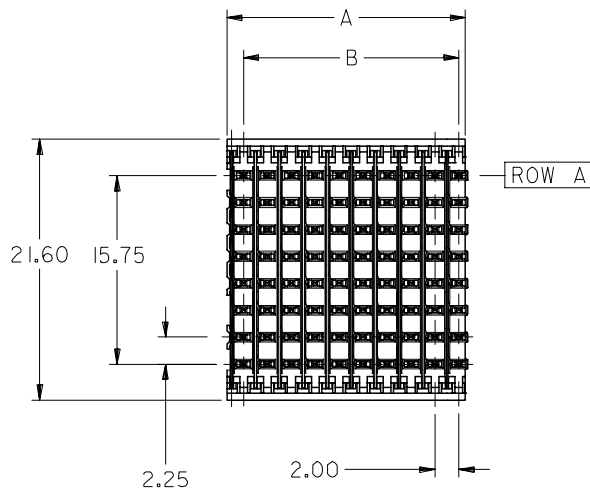
Global

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

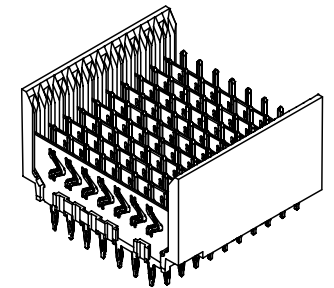
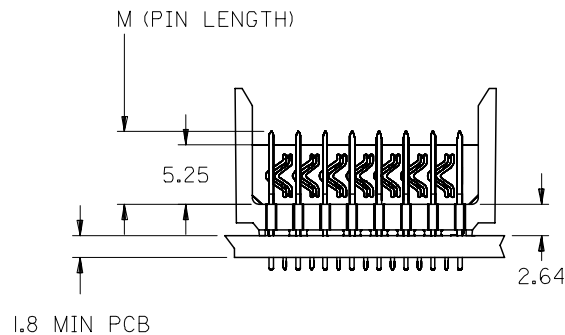
Temperature Range - Operating	-55°C to +105°C	VHDM® 8 Row	<u>0622016100</u>
Termination Interface: Style	Through Hole - Compliant Pin	Shield Extraction	
Electrical		Tool	
Current - Maximum per Contact	3A	VHDM® Insertion	<u>0622020206</u>
Data Rate	3.125 Gbps	Module for Advanced	
Real Signals (per 25mm)	100	Mate Signal Header,	
Shield Type	Ground Plane Shield	6 Row by 25 Wide,	
Shielded	Yes	50.00mm (1.97")	
Voltage - Maximum	120V AC (RMS)/DC	VHDM® Insertion	<u>0622020210</u>
Material Info		Module for Standard	
Reference - Drawing Numbers		Shield Signal	
Packaging Specification	PK-74060-003	Header, 8 Row by	
Product Specification	PS-74031-999	25 Wide, 50.00mm	
Sales Drawing	SD-74060-002	(1.97")	
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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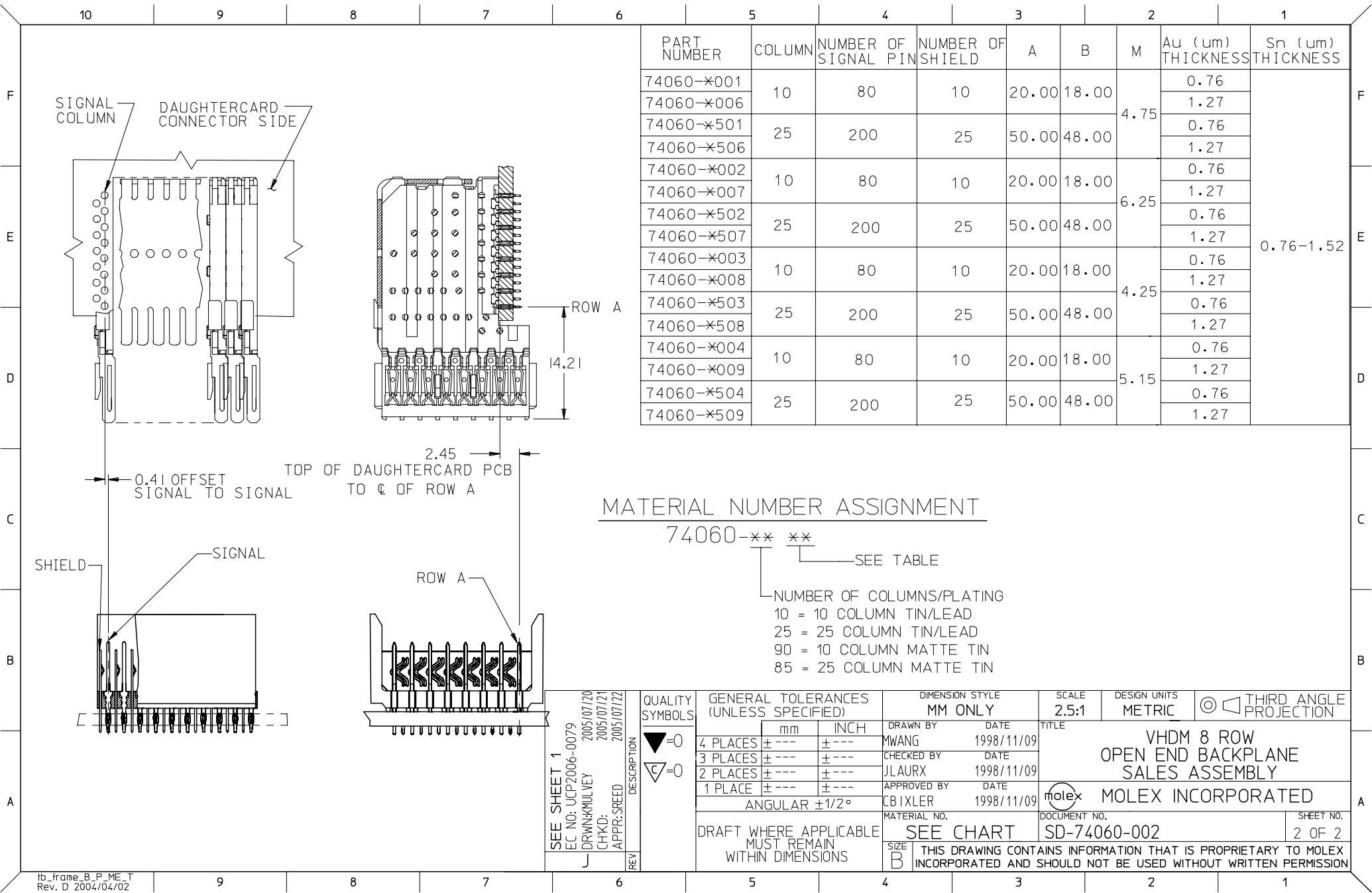


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION



- NOTES:
- MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK
SIGNAL PIN & SHIELD - COPPER ALLOY
 - FINISHES:
CONTACT AREA: SELECTIVE GOLD (Au)
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)
OR SELECTIVE MATTE TIN (Sn)
NICKEL (Ni) OVERALL.
 - THIS PART CONFORMS TO MOLEX PRODUCT
SPECIFICATION PS-74031-999
 - FOR MIXED CONTACT LENGTHS CONSULT
MOLEX FOR AVAILABILITY
 - FOR SPECIFIC MATERIAL NUMBERS & MATING
INFORMATION REFER TO SHEET 2
 - PACKAGE PER PK-74060-003
 - EITHER MARK PART WITH PART NUMBER & DATE CODE
APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON
THE TUBE.

ADD LEADFREE PINS		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		2.5:1	METRIC			
				mm	INCH	DRAWN BY	DATE	TITLE		
				4 PLACES	± ---	± ---	MWANG	1998/11/09	VHDM 8 ROW OPEN END BACKPLANE SALES ASSEMBLY	
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± ---	± ---	JLAURX	1998/11/09	MOLEX INCORPORATED			
		1 PLACE	± ---	± ---	APPROVED BY	DATE				
		ANGULAR ±1/2°		CBIXLER	1998/11/09	DOCUMENT NO.				
				MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-74060-002				
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				B						



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74060-×001	10	80	10	20.00	18.00	4.75	0.76	0.76-1.52
74060-×006							1.27	
74060-×501	25	200	25	50.00	48.00	6.25	0.76	
74060-×506							1.27	
74060-×002	10	80	10	20.00	18.00	4.25	0.76	
74060-×007							1.27	
74060-×502	25	200	25	50.00	48.00	5.15	0.76	
74060-×507							1.27	
74060-×003	10	80	10	20.00	18.00	4.75	0.76	
74060-×008							1.27	
74060-×503	25	200	25	50.00	48.00	6.25	0.76	
74060-×508							1.27	
74060-×004	10	80	10	20.00	18.00	5.15	0.76	
74060-×009							1.27	
74060-×504	25	200	25	50.00	48.00	4.75	0.76	
74060-×509							1.27	

MATERIAL NUMBER ASSIGNMENT

74060-** **
SEE TABLE
NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

SEE SHEET 1 EC NO: UCP2006-0079 DRW:KIMULVEY 2005/07/20 CHKD: 2005/07/21 APPR: SREED 2005/07/22	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	SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE VHDM 8 ROW OPEN END BACKPLANE SALES ASSEMBLY	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-74060-002	MOLEX INCORPORATED			
	SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			SHEET NO. 2 OF 2					

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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