

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740602504

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 5.15mm (.203")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

[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

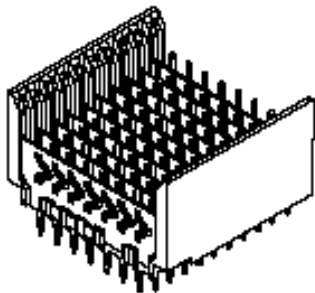
Yes

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



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

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.

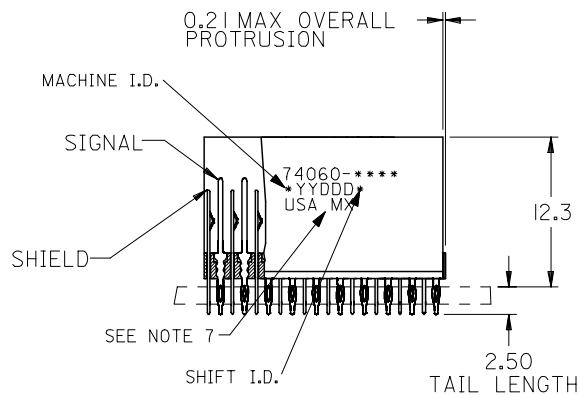
Global

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

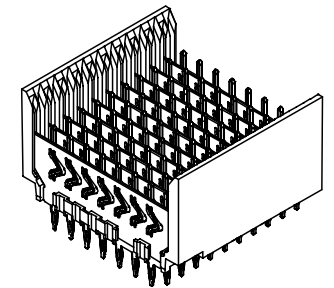
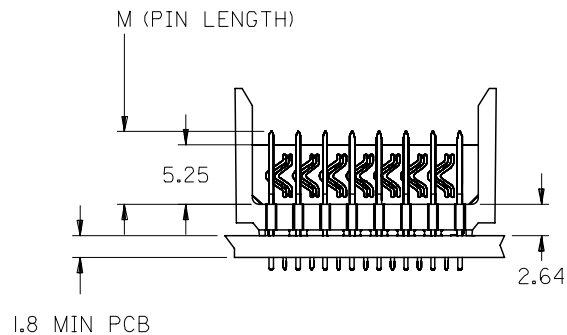
Temperature Range - Operating	-55°C to +105°C	VHDM® 8 Row	<u>0622016100</u>
Termination Interface: Style	Through Hole - Compliant Pin	Shield Extraction	
Electrical		Tool	
Current - Maximum per Contact	3A	VHDM® Insertion	<u>0622020206</u>
Data Rate	3.125 Gbps	Module for Advanced	
Real Signals (per 25mm)	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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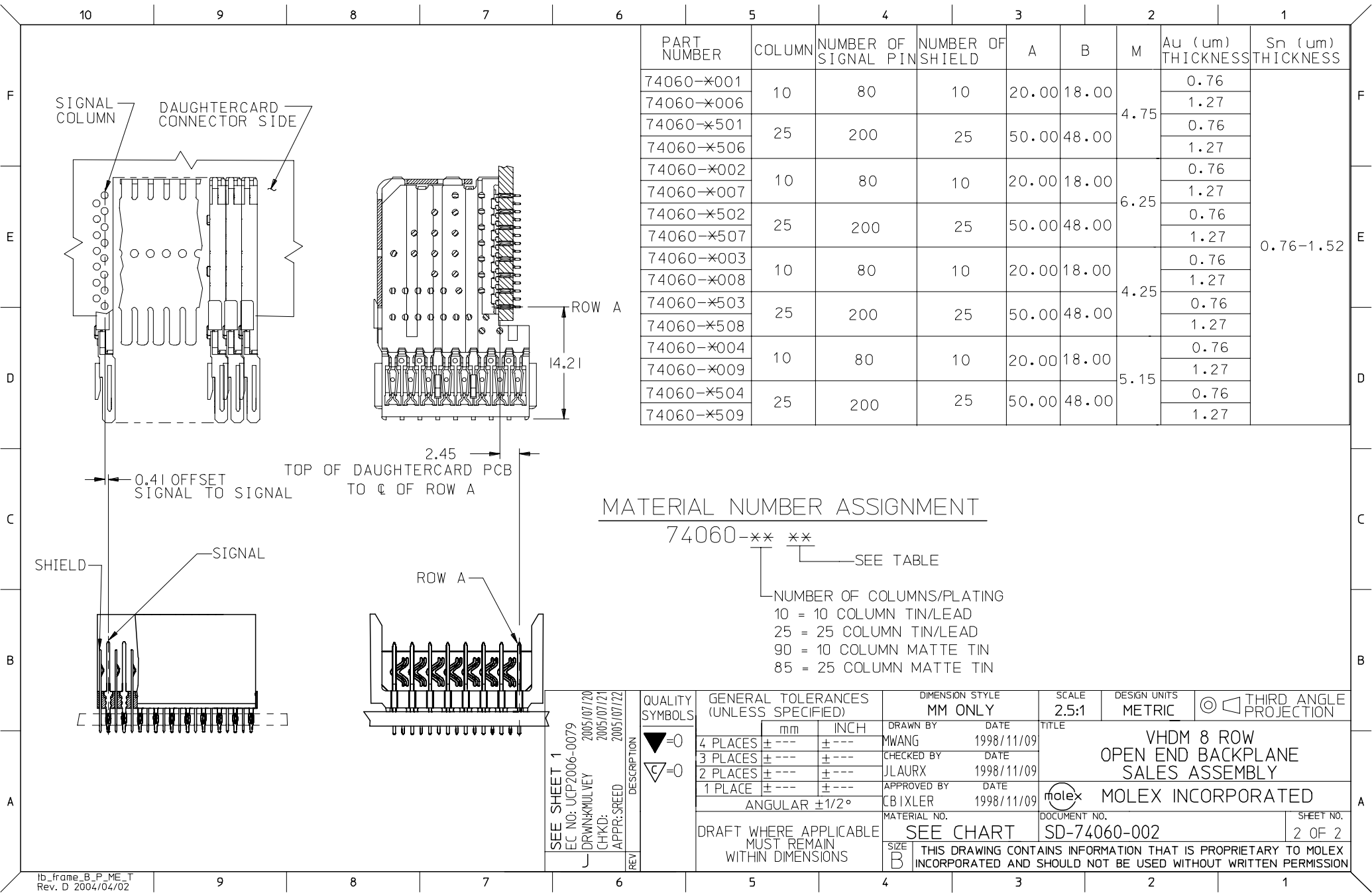


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION



- 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 EC NO: UCP2006-0079 DRWNG: MULVEY 2005/07/20 CHKD: 2005/07/21 APPR: SREED 2005/07/22	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	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 OPEN END BACKPLANE SALES ASSEMBLY		
			4 PLACES	± ---	± ---		CHECKED BY JLAURX	DATE 1998/11/09			
			3 PLACES	± ---	± ---		APPROVED BY CBIXLER	DATE 1998/11/09	MOLEX INCORPORATED		
			2 PLACES	± ---	± ---		MATERIAL NO.				
			1 PLACE	± ---	± ---		SEE SHEET 2		SD-74060-002	1 OF 2	
J	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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		0.76	
74060-✖506							1.27	
74060-✖002	10	80	10	20.00	18.00	6.25	0.76	
74060-✖007							1.27	
74060-✖502	25	200	25	50.00	48.00		0.76	
74060-✖507							1.27	
74060-✖003	10	80	10	20.00	18.00	4.25	0.76	
74060-✖008							1.27	
74060-✖503	25	200	25	50.00	48.00		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		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		SCALE 2.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			DRAWN BY DATE MWANG 1998/11/09		TITLE VHDM 8 ROW OPEN END BACKPLANE SALES ASSEMBLY				
			CHECKED BY DATE JLAURX 1998/11/09						
			APPROVED BY DATE CBIXLER 1998/11/09		MOLEX MOLEX INCORPORATED				
			MATERIAL NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
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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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