

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740609006

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Open Signal Module, 80 Circuits, Advance Mate Shield, Pin Length 4.75mm (.187")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

Agency Certification

UL

E29179

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)

80

Circuits (maximum)

80

Color - Resin

Black

Durability (mating cycles max)

200

First Mate / Last Break

No

Flammability

94V-0

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)

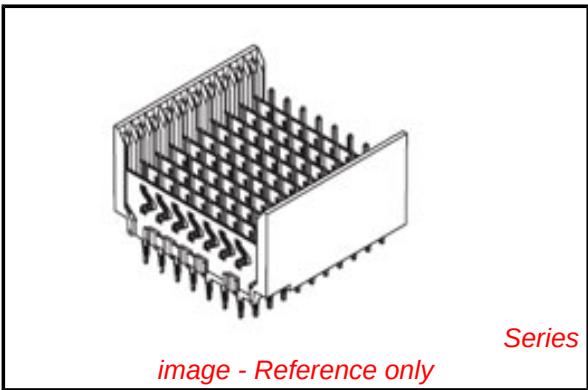
30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

30



EU RoHS

ELV and RoHS

Compliant

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.

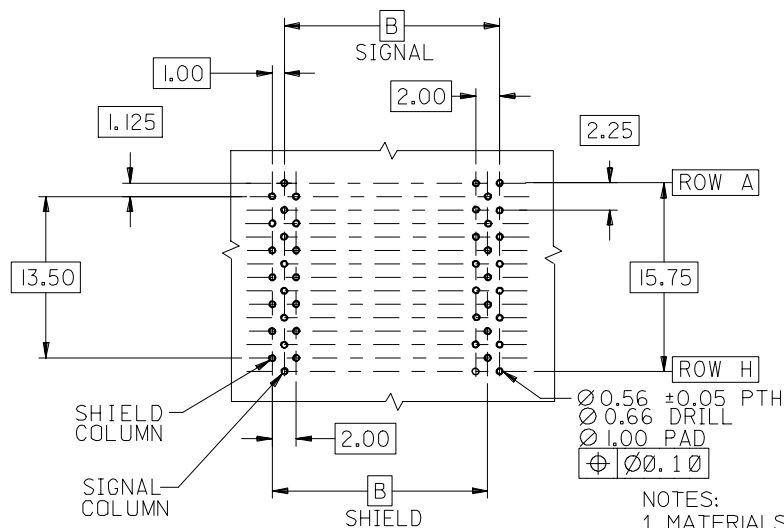
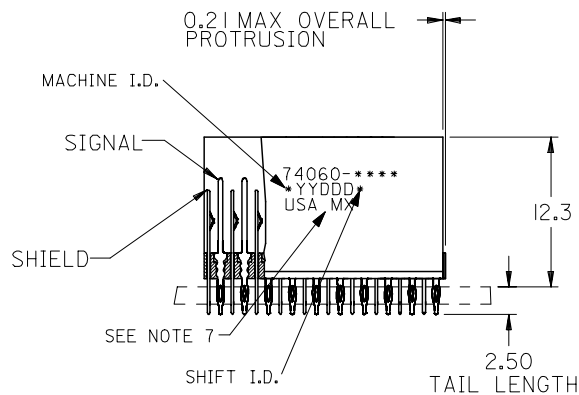
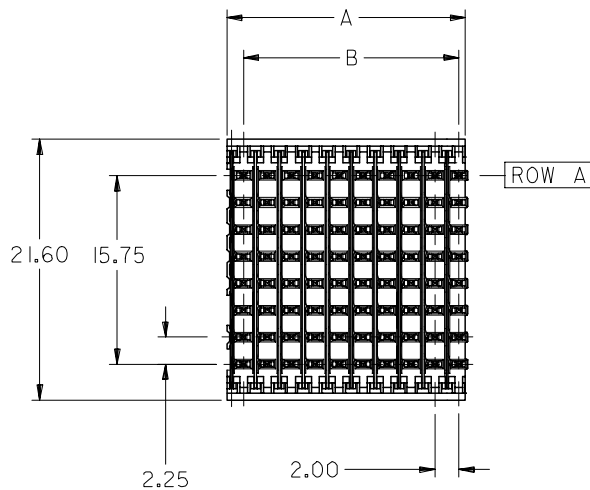
Global

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

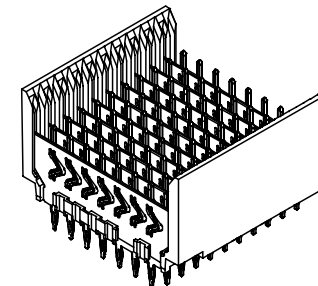
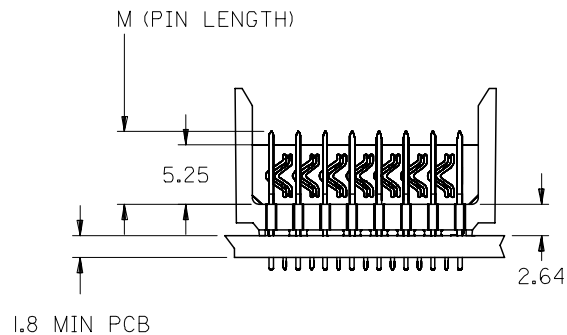
Plating min: Termination (µm)	0.75	VHDM® 8 Row Shield Extraction Tool	0622016100
Polarized to PCB	Yes	VHDM® Insertion Module for Advanced Mate Signal Header, 8 Row by 10 Wide, 20.00mm (.787")	0622020205
Stackable	Yes	VHDM® Insertion Module for Standard Shield Signal Header, 8 Row by 10 Wide, 20.00mm (.787")	0622020209
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	3A		
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-74060-003		
Product Specification	PS-74031-999		
Sales Drawing	SD-74060-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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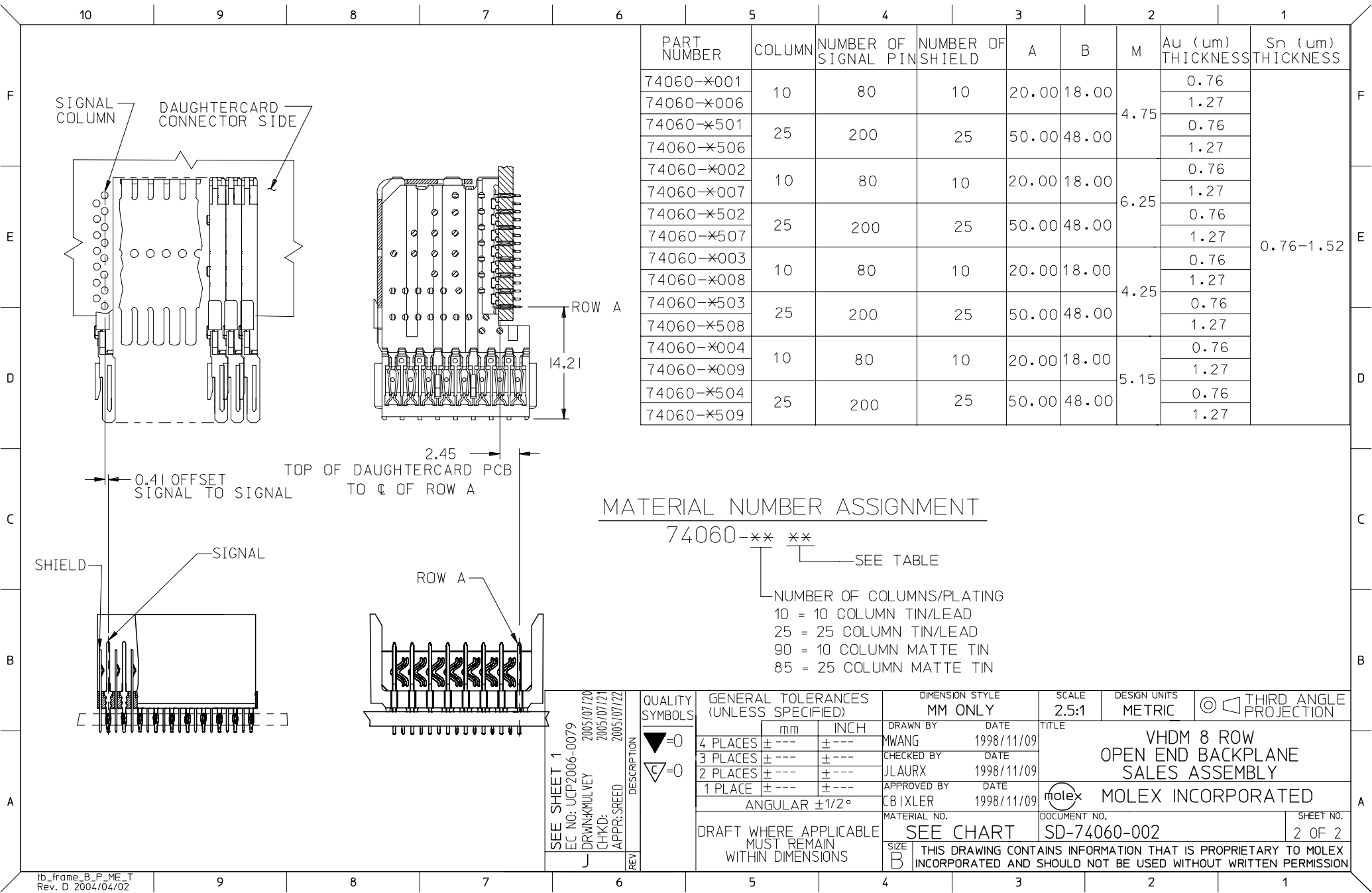


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION



- 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 2005/07/20 DRWNG: MULVEY CHKD: 2005/07/21 APPR: SREED 2005/07/22	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 OPEN END BACKPLANE SALES ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 1998/11/09					
			3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1998/11/09	MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-74060-002 SHEET NO. 1 OF 2				
			2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
			1 PLACE	± ---	± ---	SIZE B		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:K.MULVEY 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 MWANG	DATE 1998/11/09	TITLE VHDM 8 ROW OPEN END BACKPLANE SALES ASSEMBLY		
			CHECKED BY JLAURX	DATE 1998/11/09	APPROVED BY CBIXLER		
			MATERIAL NO. 74060-002	DOCUMENT NO. SD-74060-002	SHEET NO. 2 OF 2		
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				