

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740572601

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Open Signal Module, 150 Circuits, Advance Mate Shield, Pin Length 4.75mm (.187")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

General

Product Family

Backplane Connectors

Series

74057

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

Advance Mate Shield

Component Type

PCB Header

Overview

[vhdm](#)

Product Name

VHDM®

Style

N/A

Physical

Circuits (Loaded)

150

Circuits (maximum)

150

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

6

Orientation

Vertical

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

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

Temperature Range - Operating

-55°C to +105°C

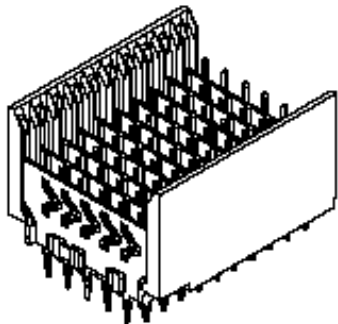
Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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

74057Series

Mates With

74030 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® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020204
VHDM® Insertion Module for Standard	0622020208

Data Rate	3.125 Gbps	Shield Signal
Real Signals (per 25mm)	72	Header, 6 Row by
Shield Type	Ground Plane Shield	25 Wide, 50.00mm
Shielded	Yes	(1.97")
Voltage - Maximum	120V AC (RMS)/DC	

Material Info

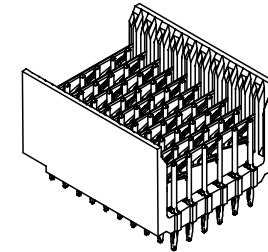
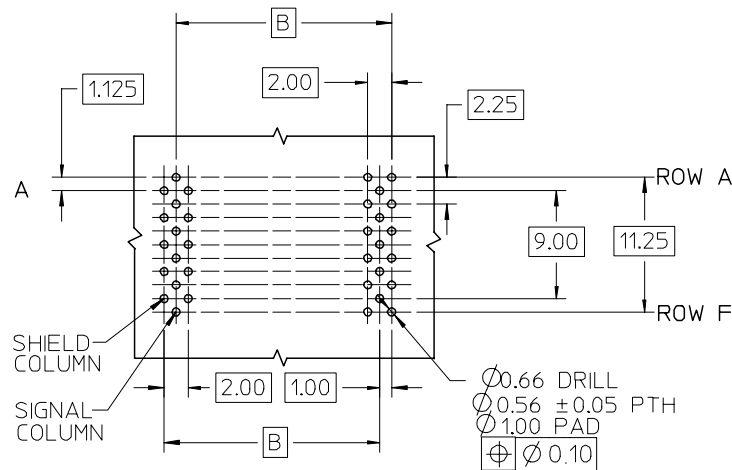
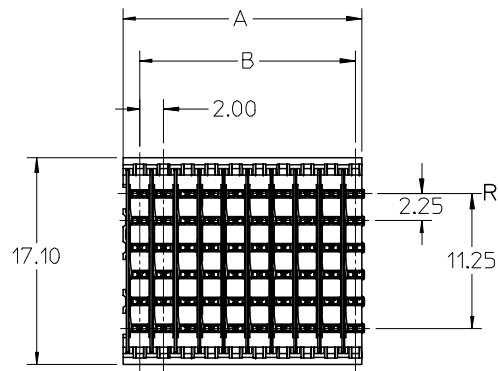
Reference - Drawing Numbers

Packaging Specification	PK-74057-003
Sales Drawing	SD-74057-003

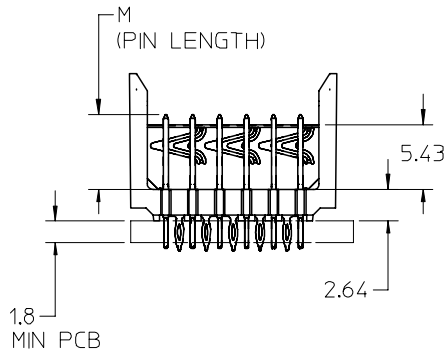
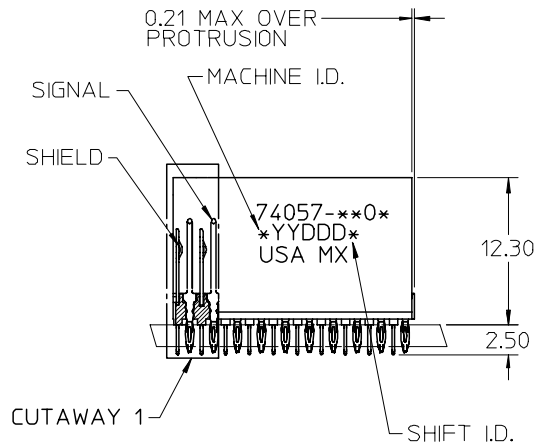
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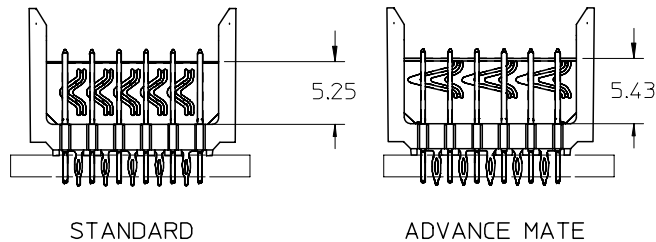


BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSION



NOTES:

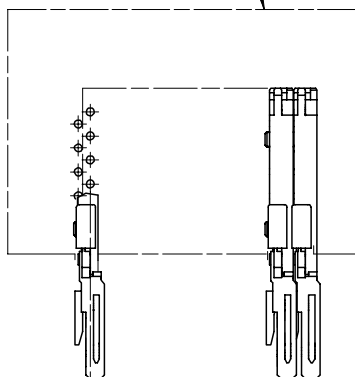
1. MATERIAL: HOUSING -LIQUID CRYSTAL POLYMER (LCP). GLASS-FILLED.
UL 94 V-0. COLOR BLACK. SIGNAL & SHIELD -COPPER ALLOY.
2. FINISHES:
CONTACT AREA: SELECTIVE GOLD (Au)
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn)
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY.
5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION REFER TO SHEET 2.
6. PACKAGE PER: PK-74057-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.



ADD LEADFREE PINS EC NO: UCP2006-0079 DRWN: KMULVEY 2005/07/20 CHKD: 2005/07/21 APPR: SPEED 2005/07/22	QUALITY SYMBOLS ▽ = 0 ▽ = 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
					DIMENSION STYLE MM ONLY		TITLE		
					DRAWN BY DATE		VHDM SALES ASSEMBLY 6 ROW ADVANCE MATE OPEN END BACKPLANE		
					CHECKED BY DATE		MOLEX INCORPORATED		
	REV		ANGULAR ±1/2°		APPROVED BY DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE		CBIXLER 2001/08/22	SEE SHEET 2	SD-74057-003	1 OF 2	
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				B

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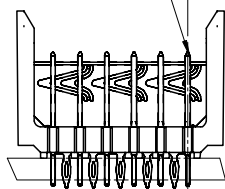
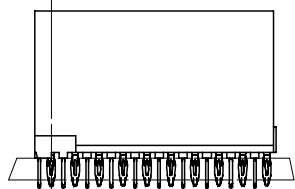
DAUGHTERCARD
CONNECTOR SIDE



0.41 OFFSET
SIGNAL TO
SIGNAL

0.66
TOP DAUGHTERCARD
PCB TO CENTER
OF ROW A

ROW A



MATERIAL NUMBER ASSIGNMENT

74057-*** **

SEE TABLE

NUMBER OF COLUMNS/PLATING

11 = 10 COLUMN TIN/LEAD

26 = 25 COLUMN TIN/LEAD

91 = 10 COLUMN MATTE TIN

86 = 25 COLUMN MATTE TIN

PART NUMBER	COLUMN	NUMBER OF SIGNAL PINS	NUMBER OF SHIELDS	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74057-*101	10	60	10	20.00	18.00	4.75	0.76	0.76-1.52
74057-*106							1.27	
74057-*601	25	150	25	50.00	48.00	6.25	0.76	
74057-*606							1.27	
74057-*102	10	60	10	20.00	18.00	4.25	0.76	
74057-*107							1.27	
74057-*602	25	150	25	50.00	48.00	5.15	0.76	
74057-*607							1.27	
74057-*103	10	60	10	20.00	18.00	4.25	0.76	
74055-*108							1.27	
74057-*603	25	150	25	50.00	48.00	5.15	0.76	
74057-*608							1.27	
74057-*104	10	60	10	20.00	18.00	4.25	0.76	
74057-*109							1.27	
74057-*604	25	150	25	50.00	48.00	5.15	0.76	
74057-*609							1.27	

SEE SHEET 1 EC NO: UCP2006-0079 DRAWN: MULVEY 2005/07/20 CHKD: 2005/07/21 APPR: SREED 2005/07/22	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE VHDM SALES ASSEMBLY 6 ROW ADVANCE MATE OPEN END BACKPLANE		
			4 PLACES	± ---	± ---	DRAWN BY MQWANG	DATE 2001/08/20			
			3 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 2001/08/22	 MOLEX INCORPORATED		
			2 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 2001/08/22		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-74057-003
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	REV		ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			B		



**Стандарт
Электрон
Связь**

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331