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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

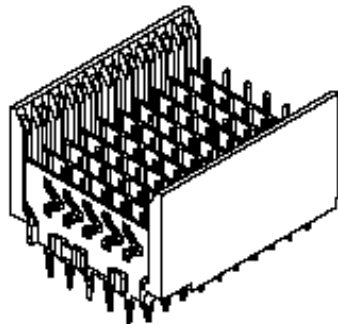
Product Family	Backplane Connectors
Series	74057
Application	Backplane
Application Tooling Documents	TM-622010999.pdf >Tooling Manual
Comments	Advance Mate Shield
Component Type	PCB Header
Overview	vhdm
Product Name	VHDM®
Style	N/A

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
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Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No
Halogen-Free

Status

Not Reviewed

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
[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

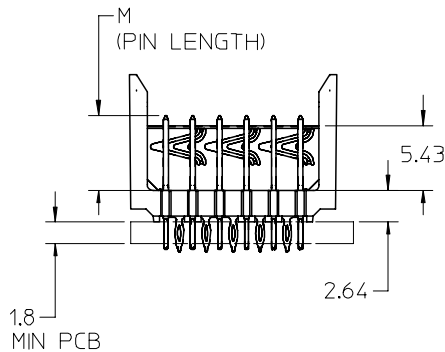
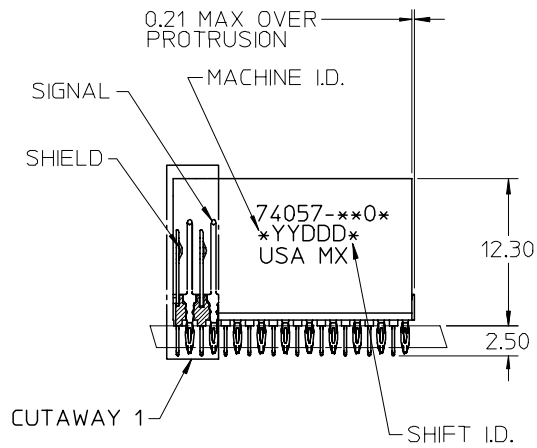
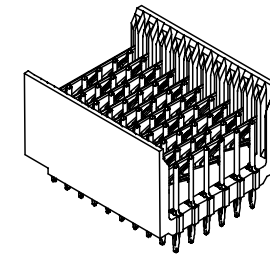
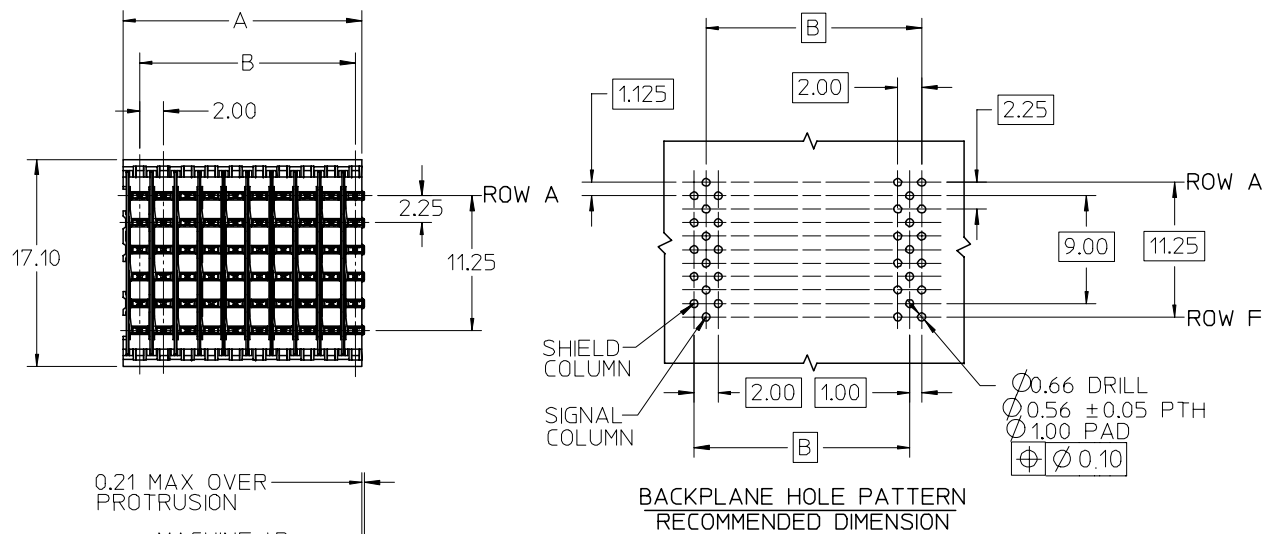
Reference - Drawing Numbers

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

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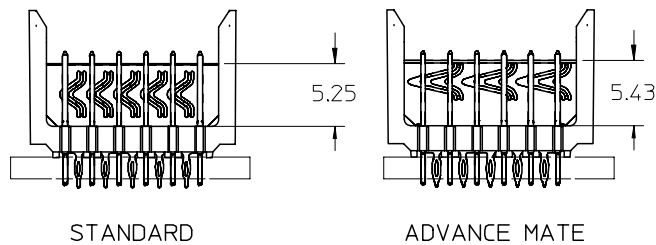
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NOTES:

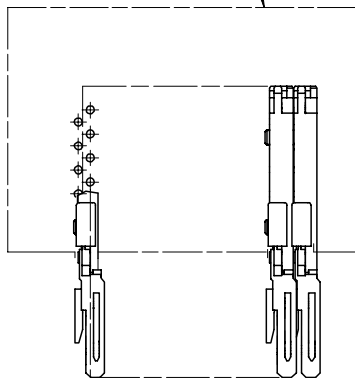
1. MATERIAL: HOUSING -LIQUID CRYSTAL POLYMER (LCP). GLASS-FILLED.
UL 94 V-0. COLOR BLACK. SIGNAL & SHIELD -COPPER ALLOY.
2. FINISHES:
CONTACT AREA: SELECTIVE GOLD (Au)
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn)
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION 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 REV	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		VHDM SALES ASSEMBLY 6 ROW ADVANCE MATE OPEN END BACKPLANE	
					DRAWN BY DATE					
					MOQWANG 2001/08/20					
					CHECKED BY DATE					
		JLAURX 2001/08/22				MOLEX INCORPORATED				
		ANGULAR $\pm 1/2^\circ$		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

10 9 8 7 6 5 4 3 2 74057

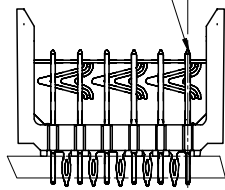
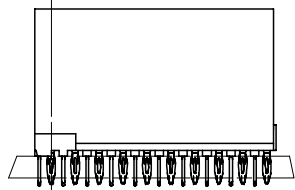
DAUGHTERCARD
CONNECTOR SIDE



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			
					DIMENSION STYLE MM ONLY		TITLE VHDM SALES ASSEMBLY 6 ROW ADVANCE MATE OPEN END BACKPLANE					
			4 PLACES ± --- ± ---		DRAWN BY MQWANG		DATE 2001/08/20		MOLEX MOLEX INCORPORATED			
			3 PLACES ± --- ± ---		CHECKED BY JLAURX		DATE 2001/08/22					
			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			1 PLACE ± --- ± ---		ANGULAR ±1/2°		SHEET NO. 2 OF 2					
REV					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						B	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.