

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740572503

Status:

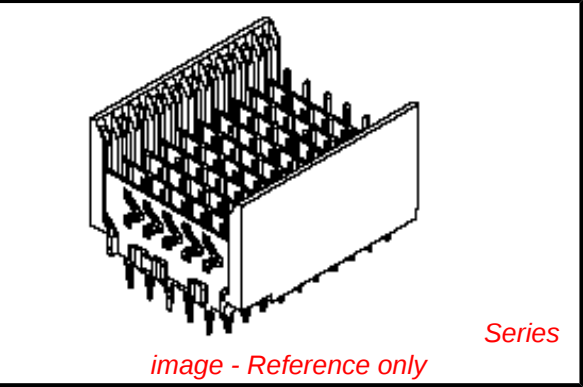
Active

Overview:

vhdm

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Open Signal Module, 150 Circuits, 25 Columns, Pin Length 4.25mm (.167"), 0.76µm (30µ") Gold (Au) Plating



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

Agency Certification	
UL	E29179
General	
Product Family	Backplane Connectors
Series	74057
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)	150
Circuits (maximum)	150
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	6
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)	0.071 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)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75

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.

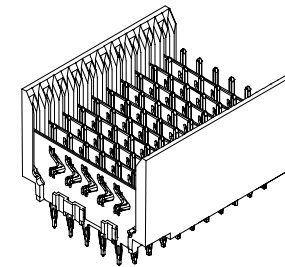
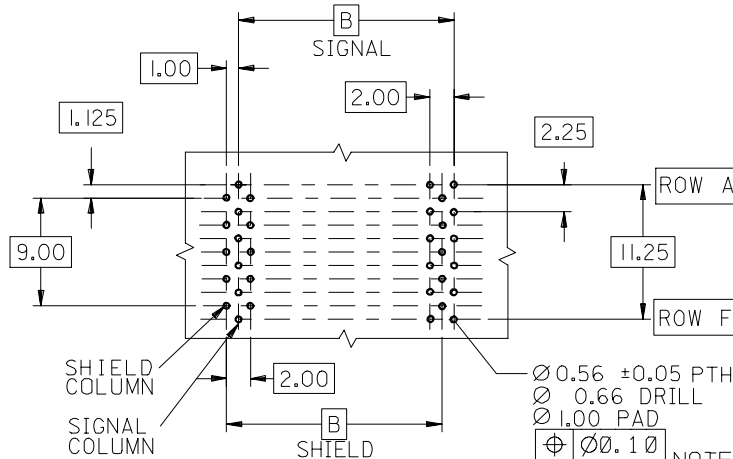
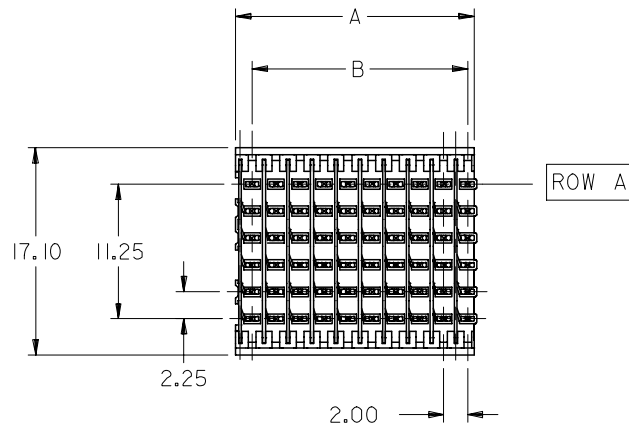
Global

Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

Plating min: Termination (µin)	30	VHDM® 6 Row Shield Extraction Tool	0622016000
Plating min: Termination (µm)	0.75	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020204
Polarized to PCB	Yes	VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020208
Stackable	Yes		
Surface Mount Compatible (SMC)	Yes		
Temperature Range - Operating	105°C		
Termination Interface: Style	Through Hole - Compliant Pin		
Electrical			
Current - Maximum per Contact	1A		
Data Rate	3.125 Gbps		
Real Signals (per 25mm)	75		
Shield Type	Ground Plane Shield		
Shielded	Yes		
Voltage - Maximum	120V AC (RMS)/DC		
Material Info			
Reference - Drawing Numbers			
Packaging Specification	PK-74057-003		
Sales Drawing	SD-74057-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

This document was generated on 05/19/2010

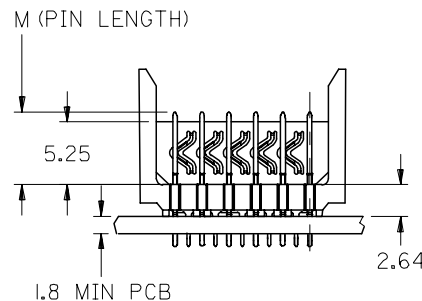
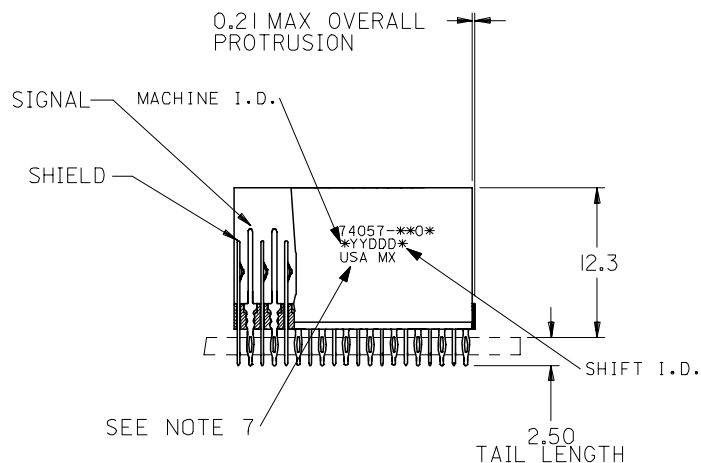
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



BACKPLANE HOLE PATTERN RECOMMENDED DIMENSIONS

NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK
SIGNAL PIN & 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 LENGTHS CONSULT
MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING
INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74057-003
7. EITHER MARK PART WITH PART NUMBER & DATE
CODE APPROXIMATELY WHERE SHOWN OR PLACE
LABEL ON THE TUBE.



ADDED 15 COLUMN EC NO: UCP2006-1491 DRWN: JONIAK 2006/01/19 CHKD: JONIAK 2006/01/19 APPR: CBIXLER 2006/01/23			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	DATE	TITLE VHDM 6 ROW OPEN END BACKPLANE SALES ASSEMBLY			
				4 PLACES	± ---	± ---	MWANG	1998/11/09				
				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED			
				2 PLACES	± ---	± ---	JLAURX	1998/11/09				
				1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-74057-002			
				ANGULAR ±1/2°		CBIXLER	1998/11/09	SHEET NO. 1 OF 3				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 3										
K	REV			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

SIGNAL COLUMN
DAUGHTERCARD
CONNECTOR SIDE

0.41 OFFSET
SIGNAL TO SIGNAL

SHIELD
SIGNAL

ROW A
12.36

0.66
TOP DAUGHTERCARD
PCB TO $\varnothing$ ROW A

ROW A

MATERIAL NUMBER ASSIGNMENT

74057-*** **
SEE TABLES (SHEET 3)

NUMBER OF COLUMNS/PLATING
10 = 10 COLUMN TIN/LEAD
15 = 15 COLUMN TIN/LEAD
25 = 25 COLUMN TIN/LEAD
90 = 10 COLUMN MATTE TIN
95 = 15 COLUMN MATTE TIN
85 = 25 COLUMN MATTE TIN

ADDED 15 COLUMN EC NO: UCP2006-1491 DRWN: JONIAK 2006/01/19 CHKD: JONIAK 2006/01/19 APPR: CBIXLER 2006/01/23 K	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY MWANG	DATE 1998/11/09	VHDM 6 ROW OPEN END BACKPLANE SALES ASSEMBLY MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY JLAURX	DATE 1998/11/09			
			3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1998/11/09			
			2 PLACES	± ---	± ---	MATERIAL NO. SEE SHEET 3				
			1 PLACE	± ---	± ---	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		
			ANGULAR ±1/2°							

10	9	8	7	6	5	4	3	2	1						
PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS
74057-1001	10	60	10	20.00	18.00	4.75	0.76	74057-9001	10	60	10	20.00	18.00	4.75	0.76
74057-1006							1.27	74057-9006							1.27
74057-1501	15	90	15	30.00	28.00		0.76	74057-9501	15	90	15	30.00	28.00		0.76
74057-1506							1.27	74057-9506							1.27
74057-2501	25	150	25	50.00	48.00		0.76	74057-8501	25	150	25	50.00	48.00		0.76
74057-2501							1.27	74057-8501							1.27
74057-1002	10	60	10	20.00	18.00	6.25	0.76	74057-9002	10	60	10	20.00	18.00	6.25	0.76
74057-1007							1.27	74057-9007							1.27
74057-1502	15	90	15	30.00	28.00		0.76	74057-9502	15	90	15	30.00	28.00		0.76
74057-1507							1.27	74057-9507							1.27
74057-2502	25	150	25	50.00	48.00		0.76	74057-8502	25	150	25	50.00	48.00		0.76
74057-2507							1.27	74057-8507							1.27
74057-1003	10	60	10	20.00	18.00	4.25	0.76	74057-9003	10	60	10	20.00	18.00	4.25	0.76
74057-1008							1.27	74057-9008							1.27
74057-1503	15	90	15	30.00	28.00		0.76	74057-9503	15	90	15	30.00	28.00		0.76
74057-1508							1.27	74057-9508							1.27
74057-2503	25	150	25	50.00	48.00		0.76	74057-8503	25	150	25	50.00	48.00		0.76
74057-2508							1.27	74057-8508							1.27
74057-1004	10	60	10	20.00	18.00	5.15	0.76	74057-9004	10	60	10	20.00	18.00	5.15	0.76
74057-1009							1.27	74057-9009							1.27
74057-1504	15	90	15	30.00	28.00		0.76	74057-9504	15	90	15	30.00	28.00		0.76
74057-1509							1.27	74057-9509							1.27
74057-2504	25	150	25	50.00	48.00		0.76	74057-8504	25	150	25	50.00	48.00		0.76
74057-2509							1.27	74057-8509							1.27

TIN/LEAD CHART

LEAD FREE CHART

ADDED 15 COLUMN EC NO: UCP2006-1491 DRAWN: JONI AK 2006/01/19 CHK'D: JONI AK 2006/01/19 APPR: CB XLER 2006/01/23	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY J JON IAK	DATE 2006/01/10	TITLE VHDM 6 ROW OPEN END BACKPLANE SALES ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY J JON IAK	DATE 2006/01/10					
			3 PLACES	± ---	± ---	APPROVED BY DATE J JON IAK 2006/01/10  MOLEX INCORPORATED						
			2 PLACES	± ---	± ---							
			1 PLACE	± ---	± ---	MATERIAL NO. DOCUMENT NO. SHEET NO. SEE CHARTS SD-74057-002 3 OF 3						
			ANGULAR ±1/2°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
K	REV											



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.