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Part Number: [0740588501](#)
Status: **Active**
Overview: [vhdm](#)
Description: 2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Guide Pin Signal Module, Pin End Version, 150 Circuits, Pin Length 4.75mm (.187")

Documents:
[Drawing \(PDF\)](#)

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

General

Product Family	Backplane Connectors
Series	74058
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
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	Yes
Keying to Mating Part	None
Material - Metal	Beryllium Copper, High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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)	0.039 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	No
Surface Mount Compatible (SMC)	Yes

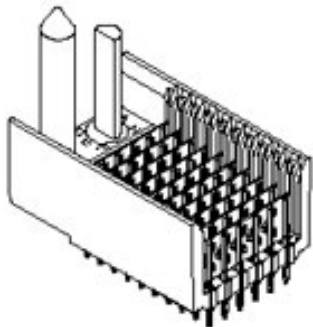


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

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
[74058Series](#)

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.

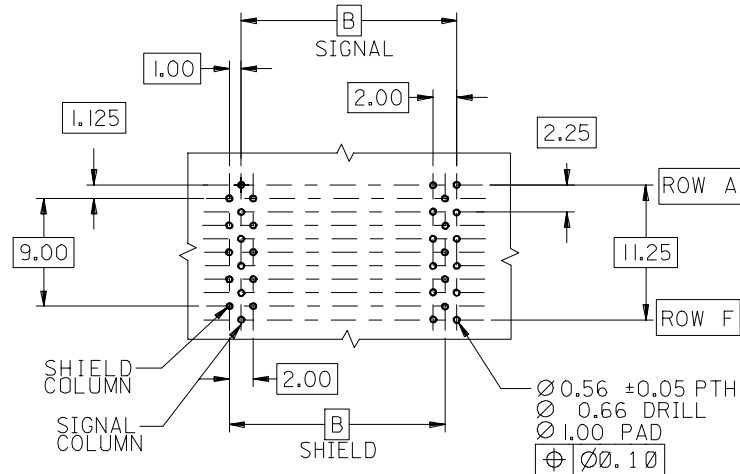
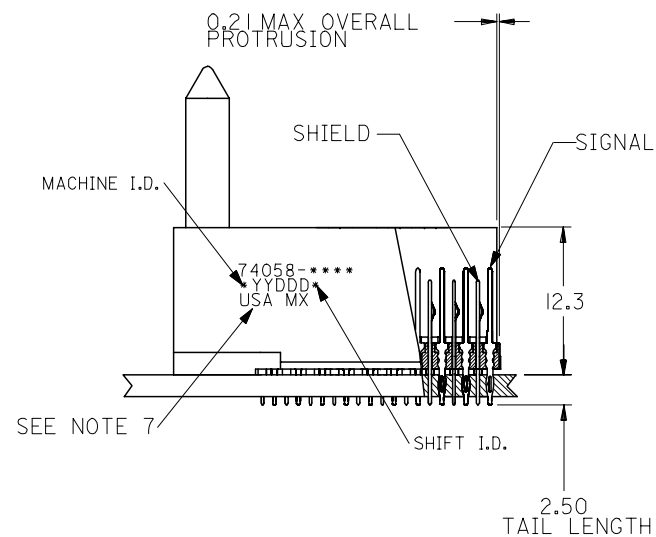
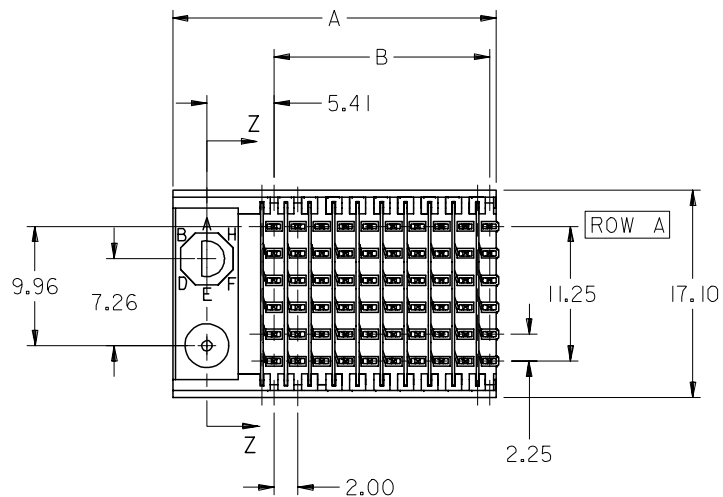
Global

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

Temperature Range - Operating	105°C	VHDM® 6 Row	<u>0622016000</u>
Termination Interface: Style	Through Hole - Compliant Pin	Shield Extraction	Tool
Electrical		VHDM® Insertion	<u>0622020204</u>
Current - Maximum per Contact	1A	Module for Advanced	Mate Signal Header,
Data Rate	3.125 Gbps	6 Row by 25 Wide,	50.00mm (1.97")
Real Signals (per 25mm)	75	VHDM® Insertion	<u>0622020208</u>
Shield Type	Ground Plane Shield	Module for Standard	Shield Signal
Shielded	Yes	Header, 6 Row by	25 Wide, 50.00mm
Voltage - Maximum	120V AC (RMS)/DC	(1.97")	
Material Info			
Reference - Drawing Numbers			
Sales Drawing	SD-74058-002		
VHDM and Very High Density Metric are trademarks of Amphenol Corporation			

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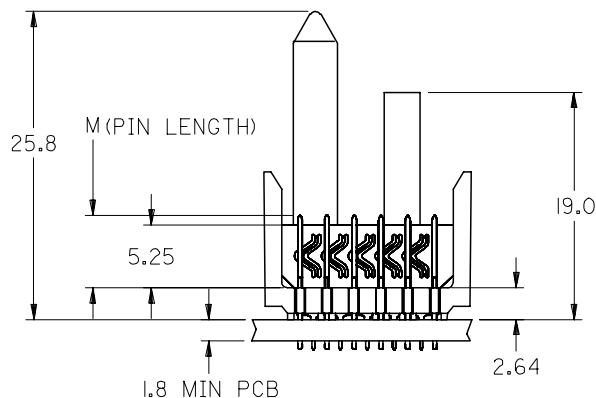
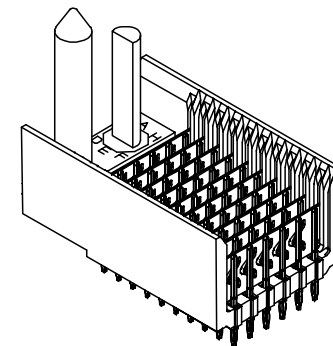
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BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

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-74058-003
7. EITHER MARK PART WITH PART NUMBER & DATE
CODE APPROXIMATELY WHERE SHOWN OR PLACE
LABEL ON THE TUBE.



ADD LEADFREE PINS EC NO: UCP2006-0079 DRWN: KMULVEY CHKD: 2005/07/21 APPR: SREED 2005/07/22	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 6 ROW SIGNAL 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	
		2 PLACES	± ---	± ---						
		1 PLACE	± ---	± ---	MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-74058-002		SHEET NO. 1 OF 2	
		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			
		REV	DESCRIPTION							

10 9 8 7 6 5 4 3 2 1

M/N
74058-()

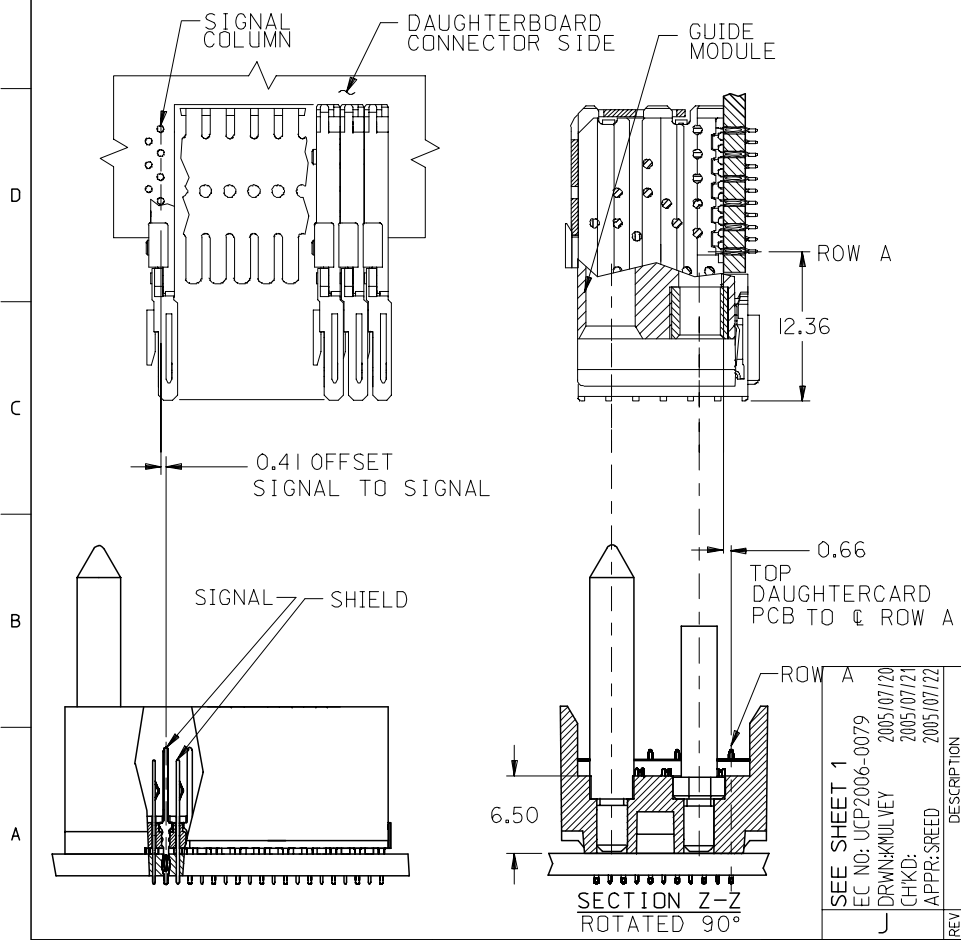
KEYING PIN
ORIENTATION

---0*	---1*	---2*	---3*	---4*	---5*	---6*	---7*	---8*
O	A	B	C	D	E	F	G	H

74058 * * * *

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

CONTACT LOAD
(PIN LENGTH)
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15



PART NUMBER	COLUMN	NUMBER OF SIGNAL PIN	NUMBER OF SHIELD	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS
74058-0*1	10	60	10	27.00	18.00	4.75	0.76	0.76-1.52
74058-0*6							1.27	
74058-5*1	25	150	25	57.00	48.00	6.25	0.76	
74058-5*6							1.27	
74058-0*2	10	60	10	27.00	18.00	4.25	0.76	
74058-0*7							1.27	
74058-5*2	25	150	25	57.00	48.00	5.15	0.76	
74058-5*7							1.27	
74058-0*3	10	60	10	27.00	18.00	4.25	0.76	
74058-0*8							1.27	
74058-5*3	25	150	25	57.00	48.00	5.15	0.76	
74058-5*8							1.27	
74058-0*4	10	60	10	27.00	18.00	5.15	0.76	
74058-0*9							1.27	
74058-5*4	25	150	25	57.00	48.00	5.15	0.76	
74058-5*9							1.27	

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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