

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740582501

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Pin End Version, 150 Circuits, Pin Length 4.75mm (.187")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

General

Product Family

Backplane Connectors

Series

74058

Application

Backplane

Application Tooling Documents

[Tooling Manual](http://www.molex.com/pdm_docs/ats/TM-622010999.pdf)

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-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)

0.039 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)

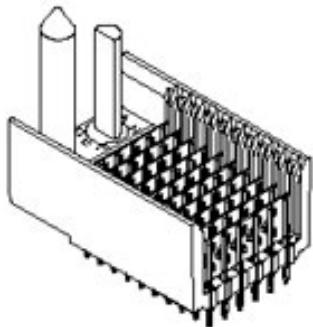
0.75

Polarized to PCB

Yes

Stackable

No



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

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 Inserter Repair Tool	0622015700
VHDM® 6 Row Pin and Shield Repair Tool	0622015800

Surface Mount Compatible (SMC)	Yes	VHDM® 6 Row Shield Extraction Tool	0622016000
Temperature Range - Operating	105°C	VHDM® Insertion Module for Advanced Mate Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020204
Termination Interface: Style	Through Hole - Compliant Pin	VHDM® Insertion Module for Standard Shield Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020208
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			
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

M/N
74058-()

-**0*

-**1*

-**2*

-**3*

-**4*

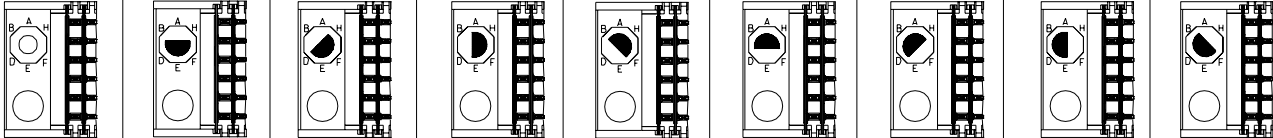
-**5*

-**6*

-**7*

-**8*

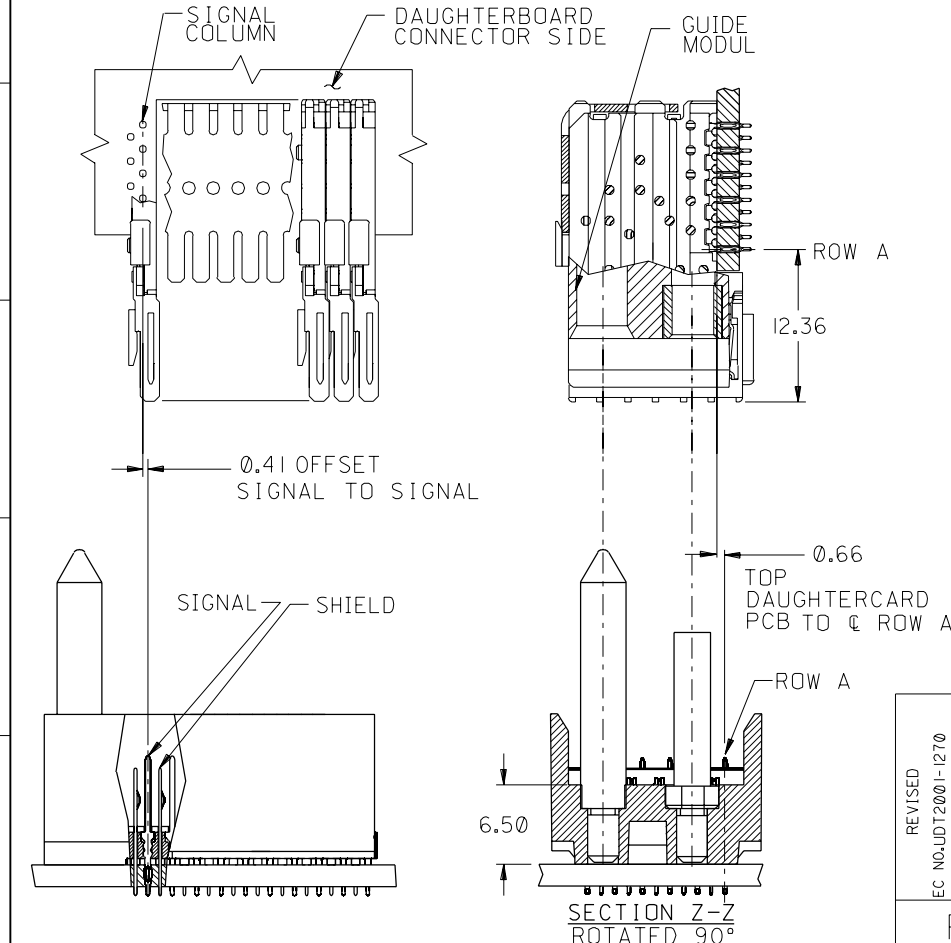
KEYING PIN
ORIENTATION



74058 * * * *

NUMBER OF
COLUMN
10 OR 25

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 MAX	B	M	Au (um) THICKNESS	Sn/Ph (um) THICKNESS
74058-10*1	10	60	10	20.00	18.00	4.75	0.76	0.38-1.25
74058-10*6							1.25	
74058-25*1	25	150	25	50.00	48.00	4.75	0.76	
74058-25*6							1.25	
74058-10*2	10	60	10	20.00	18.00	6.25	0.76	
74058-10*7							1.25	
74058-25*2	25	150	25	50.00	48.00	6.25	0.76	
74058-25*7							1.25	
74058-10*3	10	60	10	20.00	18.00	4.25	0.76	
74058-10*8							1.25	
74058-25*3	25	150	25	50.00	48.00	4.25	0.76	
74058-25*8							1.25	
74058-10*4	10	60	10	20.00	18.00	5.15	0.76	
74058-10*9							1.25	
74058-25*4	25	150	25	50.00	48.00	5.15	0.76	
74058-25*9							1.25	

REVISED
EC NOLDT2001-1270
DRWN:MWANG 01/05/10
CHK:JLAURX 01/05/10
APPR:CBIXLER 01/05/10

DESCRIPTION
MAJOR
CRITICAL

REV

QUALITY SYMBOLS

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0. —	±.
3 PLACES	±0. —	±.
2 PLACES	±0. —	±.
1 PLACE	±0. —	±.

ANGULAR: ± — °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
2.5:1

DESIGN UNITS
☒ mm ☐ INCH

THIRD ANGLE PROJECTION

TITLE:
VHDM BACKPLANE 6 ROW
SIGNAL-PIN END SALES DRAWING

MOLEX INCORPORATED

CAD FILENAME
SD-74058-002-DGN

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-74058-002

SHEET NO.
2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

SIZE
B

DIMENSIONS:
☐ mm ☐ INCH ☒ mm ONLY

SHT
REV

REVISE ON
CAD ONLY

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9