

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740581052

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 6-Row, Pin End Version, 60 Circuits, Pin Length 6.25mm (.246")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

General

Product Family

Backplane Connectors

Series

74058

Application

Backplane

Application Tooling Documents

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

Comments

Keying Postion E

Component Type

PCB Header

Overview

[vhdm](#)

Product Name

VHDM®

Style

N/A

Physical

Circuits (Loaded)

60

Circuits (maximum)

60

Color - Resin

Black

Durability (mating cycles max)

200

First Mate / Last Break

No

Guide to Mating Part

Yes

Keying to Mating Part

Yes

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)

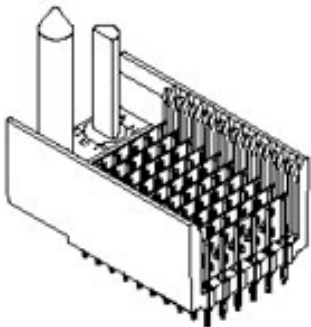
0.75

Polarized to PCB

Yes

Stackable

No



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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® Insertion Module for Advanced Mate Signal Header, 6 Row by 11 Wide, 20.00mm (.787")	0622011101
VHDM® Signal Pin Inserter Repair Tool	0622015700

Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

Yes
105°C
Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact
Data Rate
Real Signals (per 25mm)
Shield Type
Shielded
Voltage - Maximum

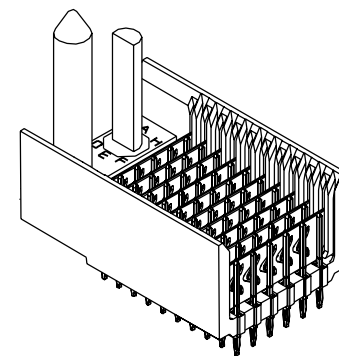
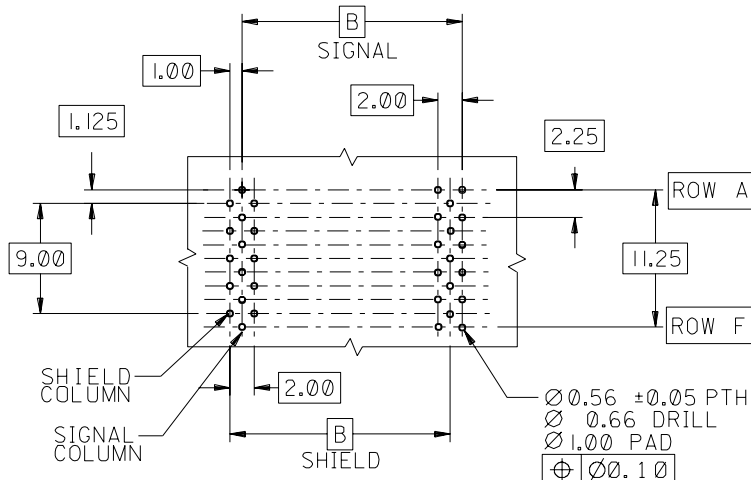
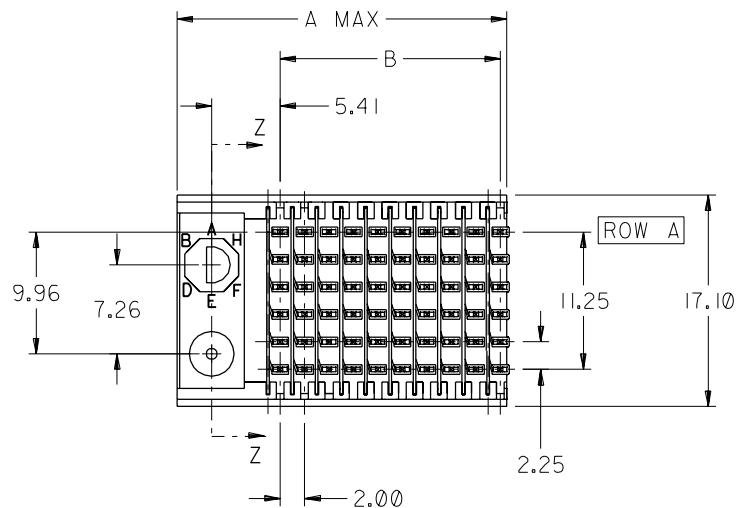
1A
3.125 Gbps
75
Ground Plane Shield
Yes
120V AC (RMS)/DC

Material Info

VHDM and Very High Density Metric are trademarks of Amphenol Corporation

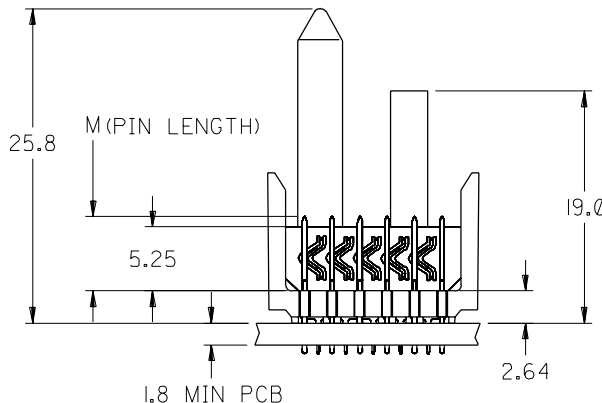
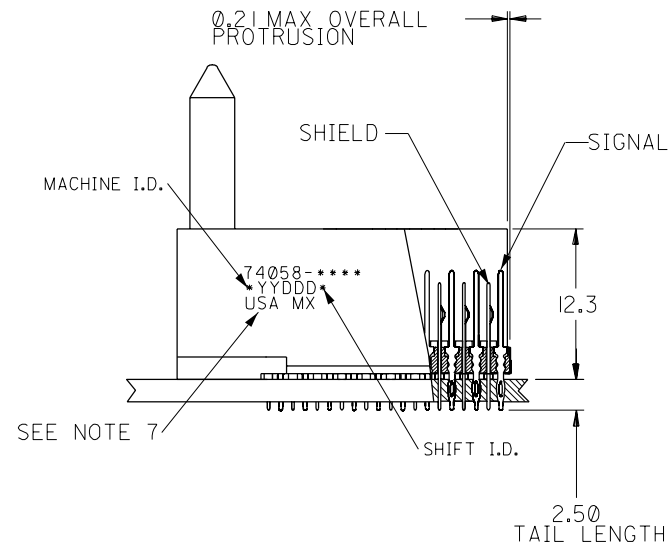
VHDM® 6 Row Pin and Shield Repair
Tool
VHDM® 6 Row Shield Extraction
Tool
VHDM® Insertion Module for Advanced
Mate Signal Header,
6 Row by 10 Wide,
20.00mm (.787")
VHDM® Insertion Module for Advanced
Mate Signal Header,
6 Row by 10 Wide,
20.00mm (.787")

[0622015800](#)
[0622016000](#)
[0622020203](#)
[0622020207](#)



BACKPLANE HOLE PATTERN
RECOMMENDED DIMENSIONS

Ø 0.56 ± 0.05 PTH
Ø 0.66 DRILL
Ø 1.00 PAD
⊕ Ø 0.10



NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP),
GLASS-FILLED, UL 94V-0, COLOR: BLACK.
SIGNAL PIN & SHIELD - COPPER ALLOY.
2. FINISHES:
SELECTIVE GOLD (Au) IN CONTACT AREA;
SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS AND
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 MATERIAL NUMBERS
AND MATING INFORMATION REFER TO
SHEET 2.
6. PACKAGE PER PK-74058-003.
7. EITHER MARK PARTS WITH PART NUMBER AND DATE CODE
APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON HTE TUBE.

SEE NOTE 7

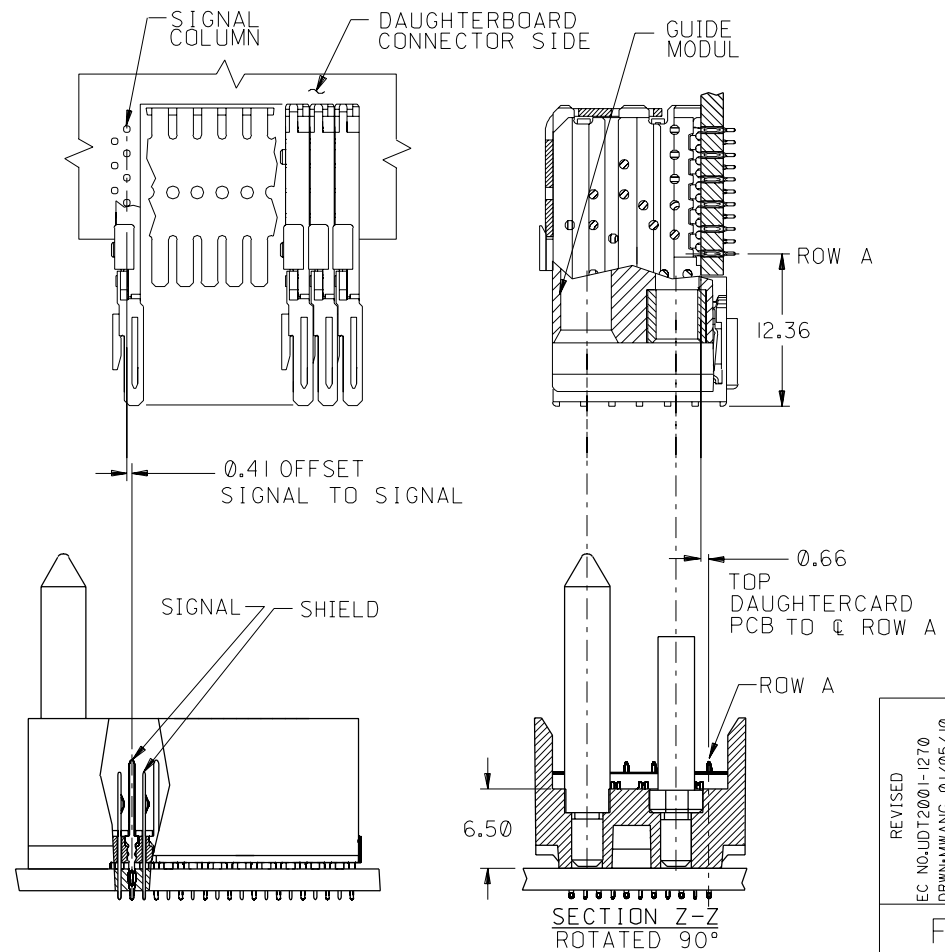
REVISED EC NO: JDT2001-1270 DRWN: MWANG 01/05/10 CHK: JLAURX 01/05/10 APPR: CBIXLER 01/05/10 F	DESCRIPTION MAJOR = 0 CRITICAL = 0 REV	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT 1	REV F	
		4 PLACES ±0. — ±.	3 PLACES ±0. — ±.	2 PLACES ±0. — ±.	1 PLACE ±0. — ±.	DRAWN BY & DATE MWANG 11/09/98		TITLE: VHDM BACKPLANE 6 ROW SIGNAL-PIN END SALES DRAWING			
		ANGULAR: ± — °				CHECKED BY & DATE JLAURX 11/09/98		MOLEX MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPROVED BY & DATE CBIXLER 11/09/98		MATERIAL NO. SD-74058-002.DGN			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DRAWING NO. SD-74058-002		SHEET NO. 1 OF 2		SIZE B	

	10	9	8	7	6	5	4	3	2	74058
	M/N 74058-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
	KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H

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

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

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SIZE

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

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