

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740298050

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Receptacle Power Module, Vertical, 8-Row, 3 Circuits, Gold (Au) Selective 1.27µm (50µ")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

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

Agency Certification

UL

E29179

General

Product Family

Backplane Connectors

Series

[74029](#)

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

Backplane Receptacle Module, Power

Component Type

Power Receptacle

Overview

[vhdm](#)

Product Name

VHDM®

Style

N/A

Physical

Circuits (Loaded)

3

Circuits (maximum)

3

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

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

8

Orientation

Vertical

PC Tail Length (in)

0.110 In

PC Tail Length (mm)

2.80 mm

PCB Locator

No

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

Pitch - Term. Interface (in)

0.157 In

Pitch - Term. Interface (mm)

4.00 mm

Plating min: Mating (µin)

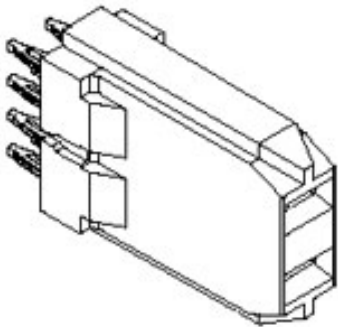
50

Plating min: Mating (µm)

1.25

Plating min: Termination (µin)

15



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

[74029Series](#)

Mates With

[74026](#) 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 #
VHDM® Backplane 6 and 8 Row Power Module Insertion Tool	0622020211

Plating min: Termination (μm)	0.375
Polarized to PCB	Yes
Stackable	No
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	10A
Data Rate	2.5 Gbps
Real Signals (per 25mm)	100
Shielded	No
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0876
Sales Drawing	SD-74029-002

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This document was generated on 05/19/2010

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9

8

7

6

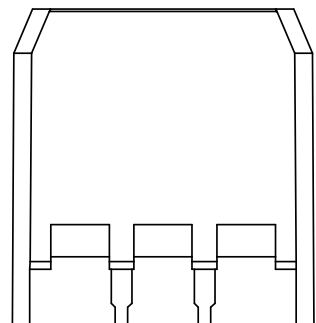
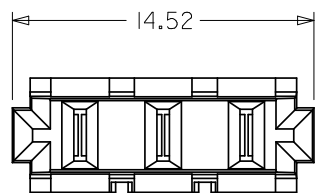
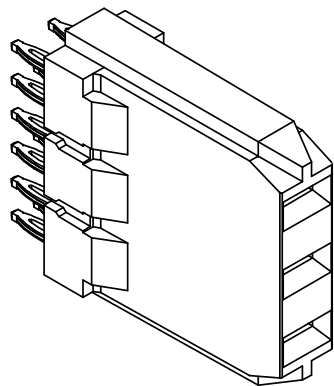
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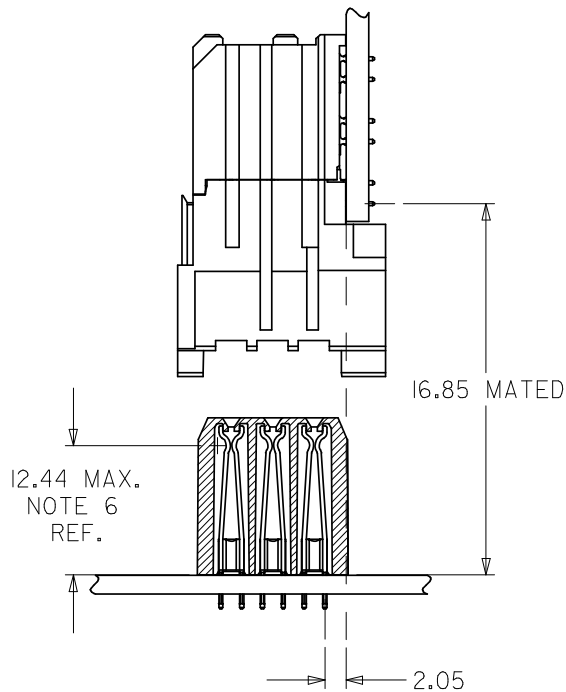
3

2

74029



(POSITION 1)
(POSITION 2)
(POSITION 3)
SEE NOTE 8 & CHART



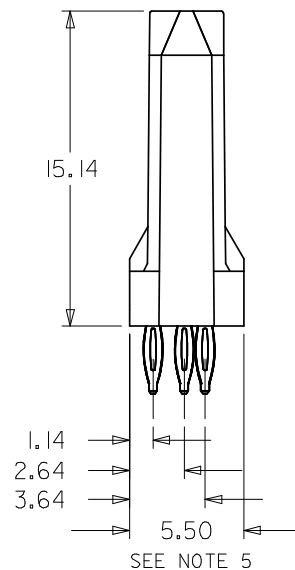
12.44 MAX.
NOTE 6
REF.

16.85 MATED

2.05

NOTES:

1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP)
UL94 V-0 RATED, COLOR: BLACK
TERMINAL - COPPER ALLOY
2. FINISH: 30 MICROINCH MIN GOLD ON MATING SURFACE;
TIN/LEAD ON TAILS; NICKEL OVERALL.
3. FINISH: 50 MICROINCH MIN GOLD ON MATING SURFACE;
TIN/LEAD ON TAILS; NICKEL OVERALL.
4. THIS PART CONFORMS TO PRODUCT SPECIFICATION
PS-74031-999.
5. USE 6.00 mm NOMINAL FOR BACKPLANE LAYOUT.
6. DIMENSION MEASURED FROM BOTTOM OF HOUSING.
7. PACKED PER PK-70873-0876.
8. CONTACT NOT PRESENT AT POSITION ON
-84** ASSEMBLIES.



15.14
1.14
2.64
3.64
5.50
SEE NOTE 5

SIGNAL
ROW A

Y

REFERENCE
SIGNAL PATTERN

MIN. BOARD THICKNESS: 1.8 mm

Ø0.725±0.075
PLATED THRU HOLE
Ø1.20 PAD
Ø0.838 DRILL

Ø0.15 X Y

ASSEMBLY #	CONTACT PLATING	OPEN LOC.	# CONTACTS
74029-8000	SEE NOTE 2	N/A	3
74029-8050	SEE NOTE 3	N/A	
74029-8400	SEE NOTE 2	POS. 2	2
74029-8450	SEE NOTE 3	POS. 2	
74029-8401	SEE NOTE 2	POS. 1	
74029-8451	SEE NOTE 3	POS. 1	
74029-8403	SEE NOTE 2	POS. 3	
74029-8453	SEE NOTE 3	POS. 3	

REDRAWN
EC NO: UCP2008-1963
DRWN:JBINGHAM 2008/02/18
CHKD:JBINGHAM 2008/02/18
APPR:JLAURX 2008/02/18

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES ±---	±---	±---
3 PLACES ±---	±---	±---
2 PLACES ±0.15	±---	±---
1 PLACE ±0.25	±---	±---
ANGULAR ±---	°	°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY

DRAWN BY	DATE
TELO	98/10/19
CHECKED BY	DATE
DBREARLEY	98/10/21
APPROVED BY	DATE
CBIXLER	98/10/22

MATERIAL NO.

SEE CHART

SIZE
B

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

SCALE NONE

TITLE

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

VHDM POWER
8 ROW BACKPLANE
SALES ASSEMBLY

molex

MOLEX INCORPORATED

DOCUMENT NO.

SD-74029-002

SHEET NO.

1 OF 1

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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