

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740298400

Status:

Active

Overview:

vhdm

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Receptacle Power Module, Vertical, 8-Row, 2 Circuits, Pin 2 Voided, Gold (Au) Selective 0.76µm (30µ")

Documents:

3D Model

Drawing (PDF)

Packaging Specification (PDF)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

74029

Backplane

Tooling Manual

Backplane Receptacle Module, Power

Power Receptacle

vhdm

VHDM®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

2

3

Pin 2 voided

Black

200

No

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

N/A

Open Pin Field

8

Vertical

0.110 In

2.80 mm

No

None

0.070 In

1.80 mm

Tube

0.079 In

2.00 mm

0.157 In

4.00 mm

30

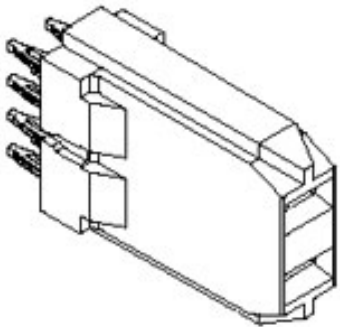


image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS

50

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

0622020211

6 and 8 Row Power Module Insertion Tool

Plating min: Mating (μm)	0.75
Plating min: Termination (μin)	15
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
Product Specification	PS-74031-999
Sales Drawing	SD-74029-002, SD-74029-009

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This document was generated on 05/19/2010

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10

9

8

7

6

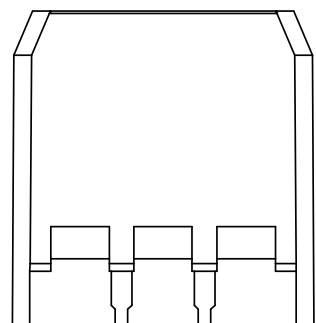
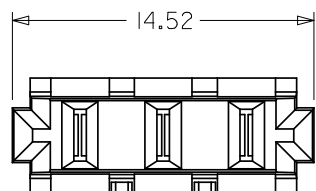
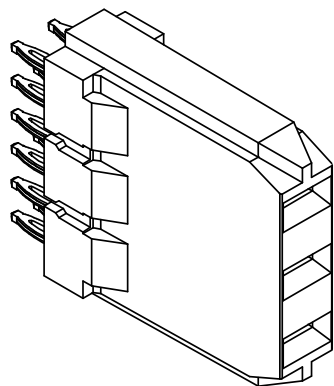
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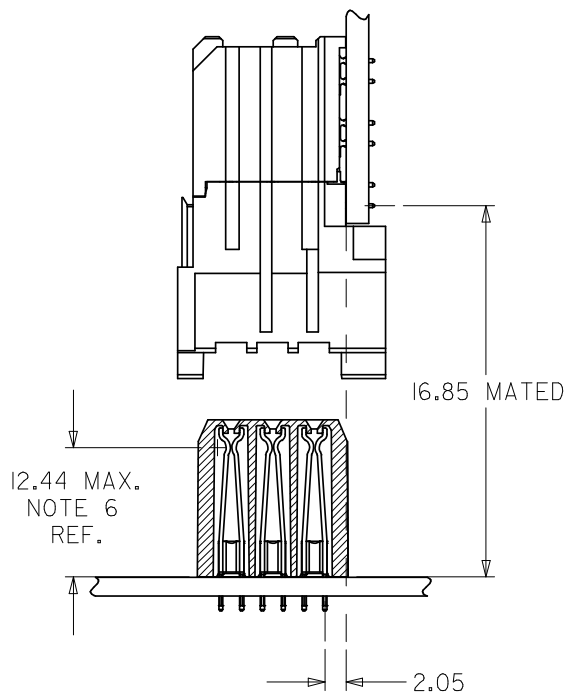
3

2

74029



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



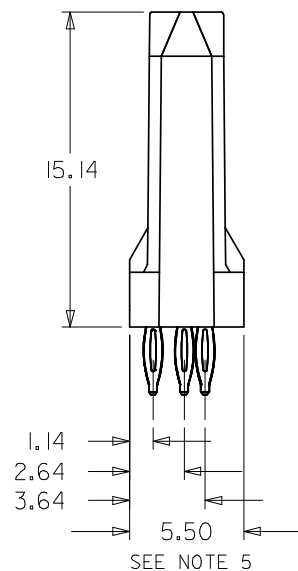
12.44 MAX.
NOTE 6
REF.

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.



1.14
2.64
3.64

SEE NOTE 5

SIGNAL
ROW A

Y

REFERENCE
SIGNAL PATTERN

MIN. BOARD THICKNESS: 1.8 mm

$\varnothing 0.725 \pm 0.075$
PLATED THRU HOLE
 $\varnothing 1.20$ PAD
 $\varnothing 0.838$ DRILL

$\varnothing \varnothing 0.15 \times Y$

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
 $\nabla=0$
 $\nabla=0$

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.15	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---

ANGULAR $\pm$ ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

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

MATERIAL NO.

SEE CHART

SIZE
B

SCALE
NONE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE

VHDM POWER
8 ROW BACKPLANE
SALES ASSEMBLY

molex

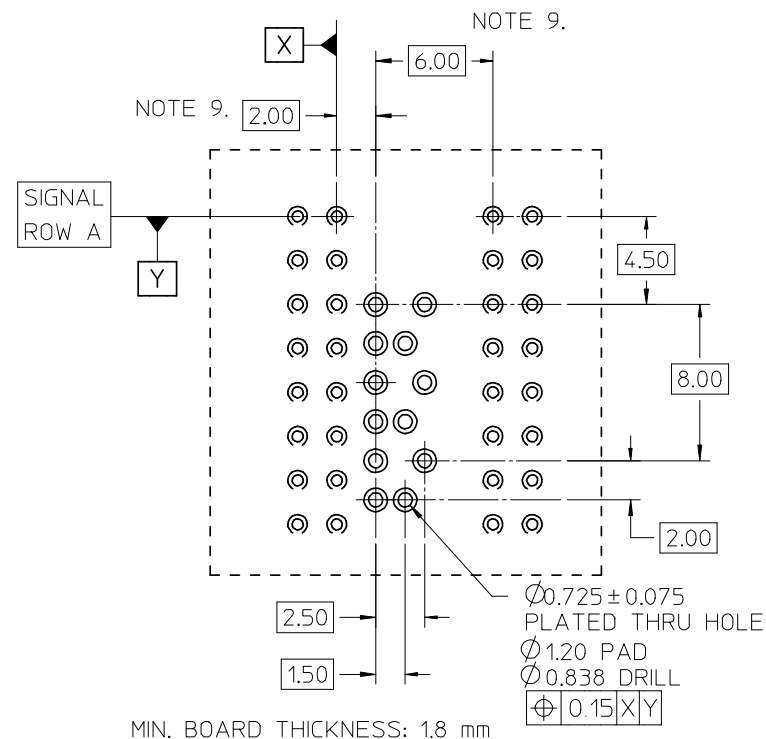
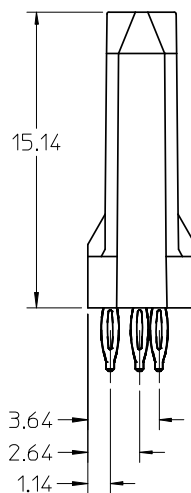
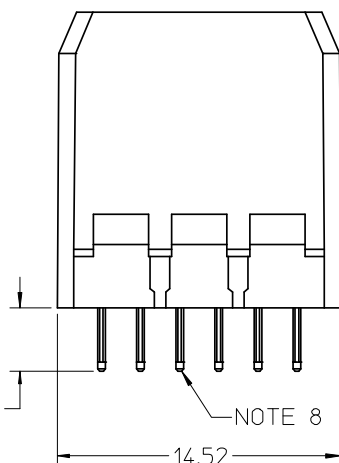
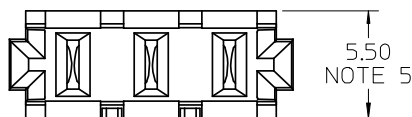
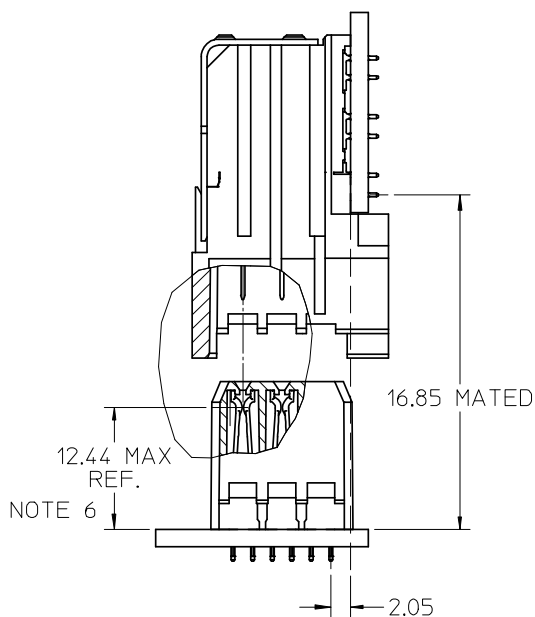
MOLEX INCORPORATED

DOCUMENT NO.

SD-74029-002

SHEET NO.

1 OF 1



- NOTES:
1. MATERIALS:
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 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. MIDDLE CONTACT NOT PRESENT ON -84** ASSEMBLIES.
 9. THIS DIMENSION TO BE MULTIPLE OF 2.00 mm AS REQUIRED.

ASSEMBLY #	CONTACT PLATING	# CONTACTS
74029-8000	SEE NOTE 2	3
74029-8050	SEE NOTE 3	3
74029-8400	SEE NOTE 2	2
74029-8450	SEE NOTE 3	2

REVISED (MINOR) EC NO: UCP2008-1963 DRWN: JINGHAM 2008/02/18 CHKD: 2008/02/18 APPR: JLAURX 2008/02/18 REV A1	QUALITY SYMBOLS ▽ = 0 ▽ = 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm		INCH		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				DIMENSION STYLE MM ONLY		TITLE HSD POWER 8 ROW BACKPLANE SALES ASSEMBLY						
				DRAWN BY ELO						DATE 2001/10/04		
				CHECKED BY GORSKI		DATE 2001/10/05		MOLEX MOLEX INCORPORATED				
				APPROVED BY BIXLER		DATE 2001/10/08						MATERIAL NO. SEE CHART
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								B

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- 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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