

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0740298450](#)
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 1.27µm (50µ")

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Packaging Specification \(PDF\)](#)
- [Product Specification PS-74031-999 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

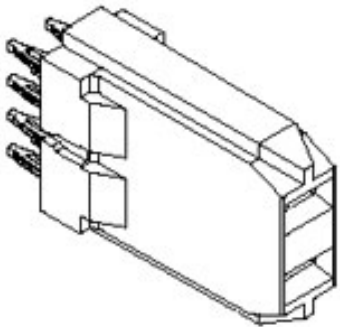
UL E29179

General

Product Family 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) 2
Circuits (maximum) 3
Circuits Detail Pin 2 voided
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



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

[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: Mating (μm)	1.25
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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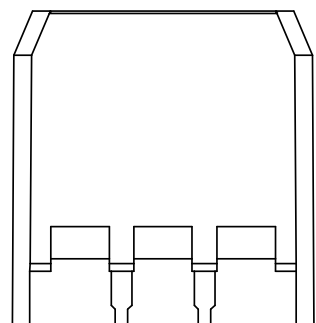
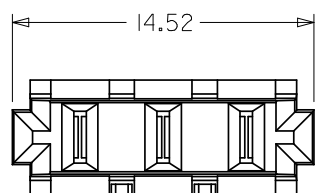
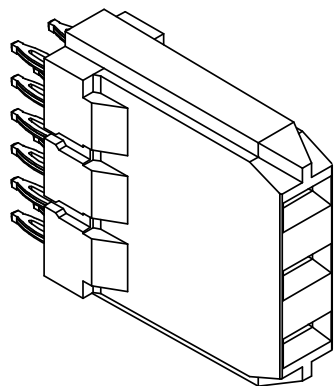
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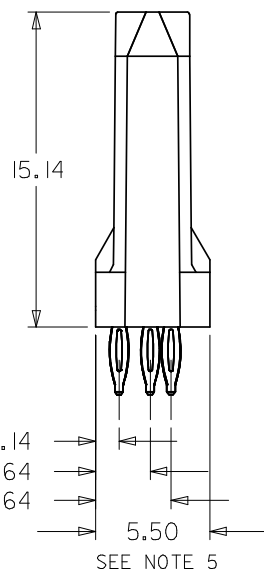
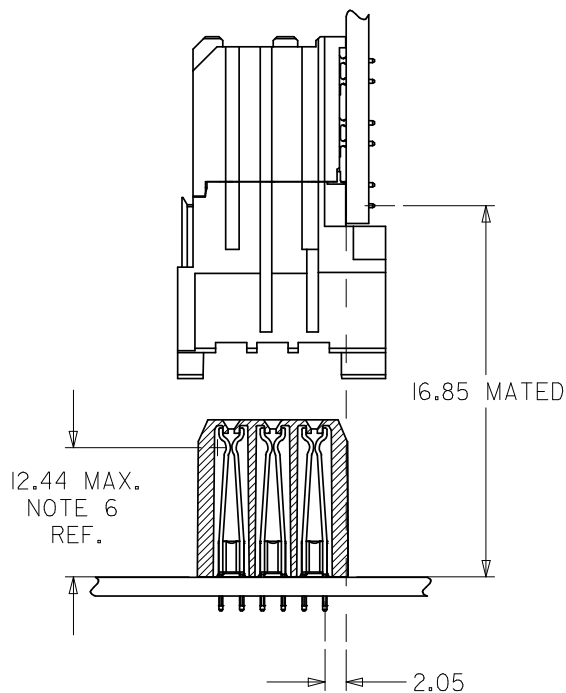
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2

74029



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



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.

SIGNAL
ROW A

Y

REFERENCE
SIGNAL PATTERN

MIN. BOARD THICKNESS: 1.8 mm

Ø 0.725±0.075
PLATED THRU HOLE
Ø 1.20 PAD
Ø 0.838 DRILL

⊕ Ø 0.15 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
BSCALE
NONEDESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

TITLE

VHDM POWER
8 ROW BACKPLANE
SALES ASSEMBLY

molex

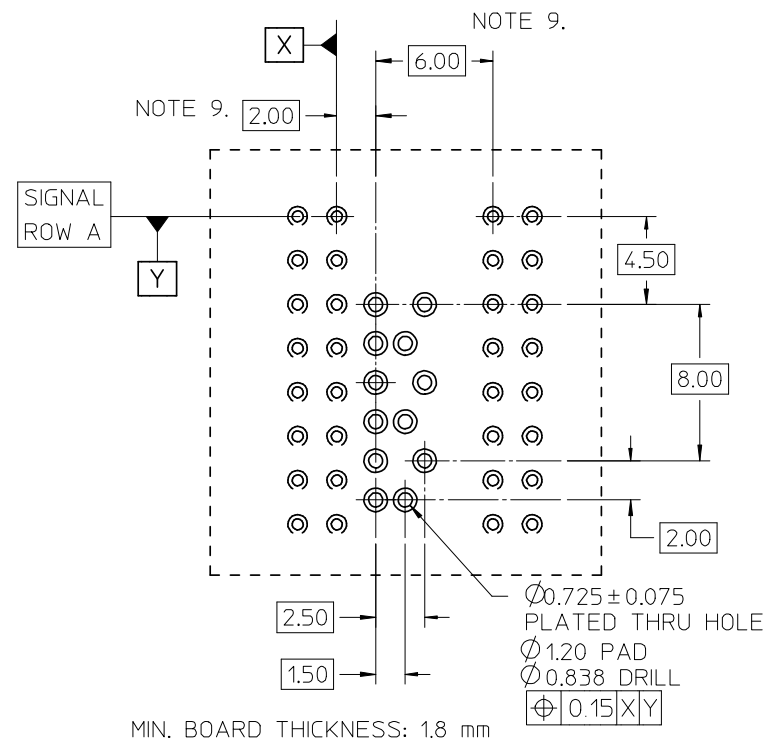
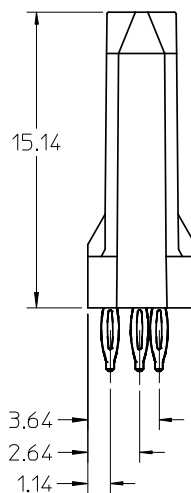
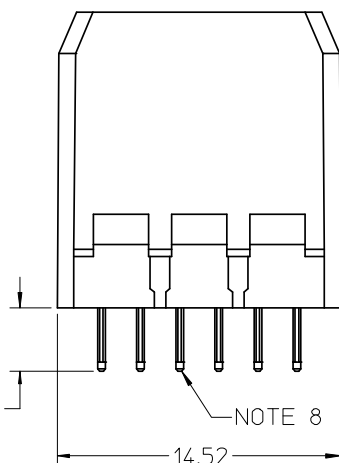
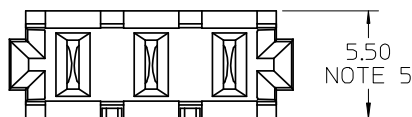
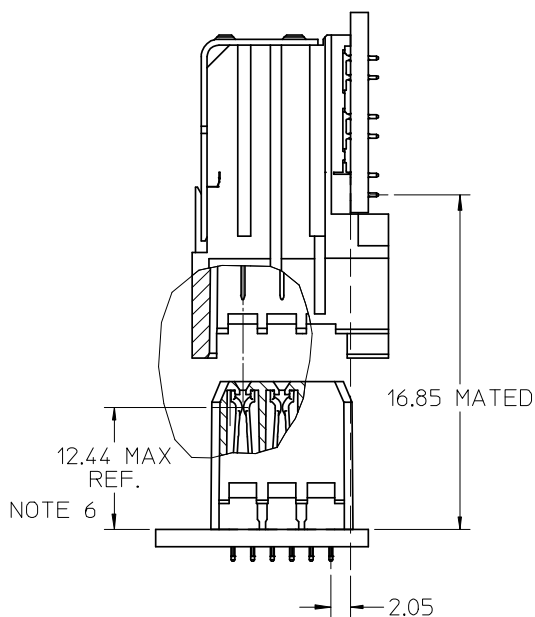
MOLEX INCORPORATED

DOCUMENT NO.

SD-74029-002

SHEET NO.

1 OF 1



- NOTES:
1. MATERIALS:
HOUSING - LIQUID CRYSTAL POLYMER (LCP)
UL94 V-0 RATED, COLOR: BLACK
TERMINAL - COPPER ALLOY
 2. FINISH: 30 microINCH MIN GOLD ON MATING SURFACE;
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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 A1	QUALITY SYMBOLS ▽ = 0 ▽ = 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 5 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 5 °			SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
					mm	INCH																				
				4 PLACES	± ---	± ---																				
				3 PLACES	± ---	± ---																				
				2 PLACES	± 0.15	± ---																				
1 PLACE	± 0.25	± ---																								
ANGULAR ± 5 °																										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DIMENSION STYLE MM ONLY		TITLE HSD POWER 8 ROW BACKPLANE SALES ASSEMBLY MOLEX MOLEX INCORPORATED																					
			DRAWN BY DATE ELO 2001/10/04																							
			CHECKED BY DATE GORSKI 2001/10/05																							
			APPROVED BY DATE BIXLER 2001/10/08																							
			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-74029-009	SHEET NO. 1 OF 1																				
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B																		

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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
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- 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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