

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0736560001](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Power Module, Vertical, SMC, Power Receptacle, 3 Circuits

Documents:
[3D Model](#) [Product Specification PS-73670-9999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

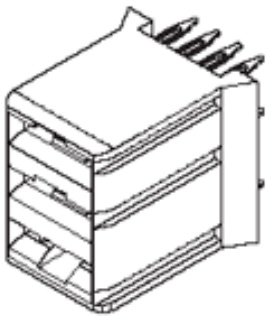
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73656](#)
Application Backplane
Comments Midplane Power Module, Molex Series 73659
Component Type Power Header
Overview [hdm](#)
Product Name HDM®
Style N/A

Physical

Circuits (Loaded) 3
Circuits (maximum) 3
Color - Resin Black
Durability (mating cycles max) 250
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part None
Material - Metal Beryllium Copper
Material - Plating Mating Gold
Material - Plating Termination Tin-Lead
Material - Resin High Temperature Thermoplastic
Number of Columns 1
Number of Pairs Open Pin Field
Number of Rows 3
Orientation Vertical
PC Tail Length (in) 0.138 In
PC Tail Length (mm) 3.50 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.098 In
PCB Thickness Recommended (mm) 2.50 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.000 In
Pitch - Mating Interface (mm) 0.00 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 35.2
Plating min: Termination (µm) 0.88
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
[73656Series](#)

Mates With
[73651](#) HDM® Board-to-Board Daughterboard Power Module

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

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	15A
Data Rate	1.0 Gbps
Shielded	No
Voltage - Maximum	500V AC

Material Info

Reference - Drawing Numbers

Application Specification	AS-73656-1998
Packaging Specification	PK-70873-0819
Product Specification	PS-73670-9999

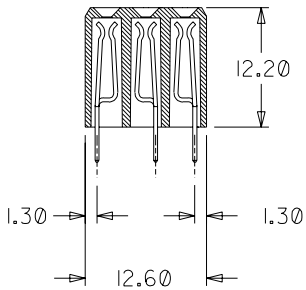
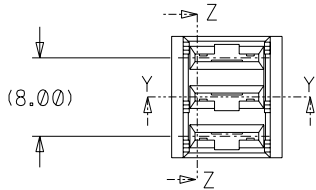
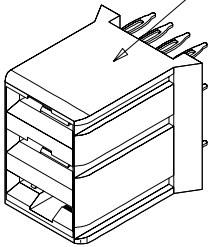
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

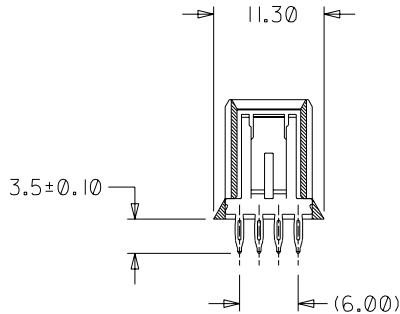
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10	9	8
ASSEMBLY NUMBER		FINISH
73656-0000		SEE NOTE 2.
73656-0001		SEE NOTE 3.

DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



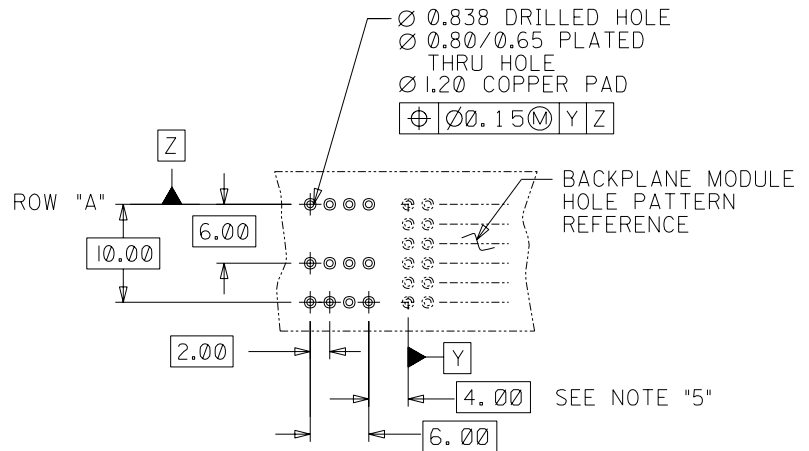
SECTION: Z-Z
ROTATED 90° CW



SECTION: Y-Y

NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK
TERMINAL - COPPER ALLOY
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; NICKEL (Ni) AND GOLD FLASH OVERALL
3. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; TIN / LEAD OVER NICKEL IN COMPLIANT AREA; NICKEL (Ni) OVERALL ON REMAINING WITH SEL. GOLD FLASH.
4. THIS DIMENSION MUST BE A MULTIPLE OF 4.00mm.
5. DIMENSIONS ARE IN MILLIMETERS.
6. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
7. ASSEMBLIES PACKAGE PER PK-70873-0819.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

4	G
3	G
2	D
1	G
SH	REV.

		G		ADD TOLERANCE PER UCP2004-1027 ELO 03/11/26	D	NEW MIDPLANE PER UDT2000-1298 ELO 00/06/20	DIMENSIONS SHOWN (METRIC) INCH		REVISIONS		TITLE		REVISE ONLY ON CAD SYSTEM	
		F		ADD SHEET 4 PER UCP2003-0012 ELO 02/07/03	C	ADD TAIL LENGTH PER UDT2000-1240 ELO 00/06/08	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		SALES ASSY, HDM BACKPLANE POWER MODULE (PRESS FIT)		SHEET NO.		DATE	
		E		ADD -5001 P/N PER UDT2002-0540 ELO 01/10/03	B	DATE CODE PER UDT2000-0399 ELO 99/10/26	INCH METRIC		MOLEX INCORPORATED		1 OF 4		98/05/21	
		LTR.		REVISIONS	LTR.	REVISIONS	3 PLACE ± N/A ---		LISLE, ILL. 60532 U.S.A.		PART NO.		DRAWG. NO.	
							2 PLACE ± N/A ± ---		SEE CHART		SDA-73656-*00*		DIV.	
							1 PLACE --- ± ---		FILE NAME		73656X1		SIZE	
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DA		B	
							DRWG. BY ELO CHK'D. BY SMR							
							APP'D. BY CAB SCALE 2 : 1							

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