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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

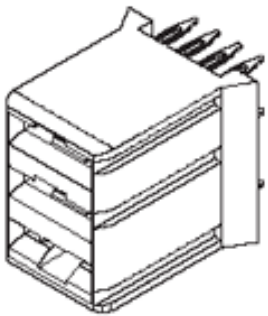
CSA LR19980
UL E29179

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

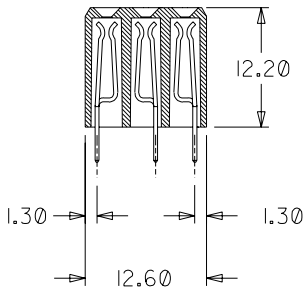
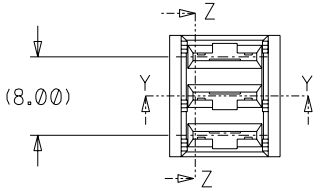
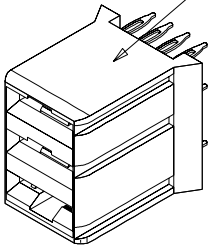
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This document was generated on 05/14/2010

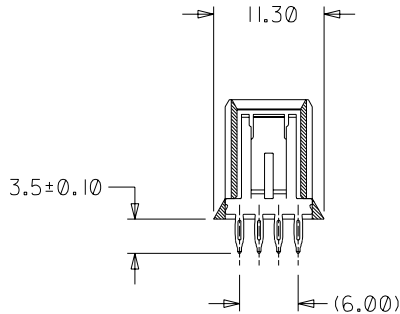
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10	9	8
ASSEMBLY NUMBER	FINISH	
73656-0000	SEE NOTE 2.	
73656-0001	SEE NOTE 3.	

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



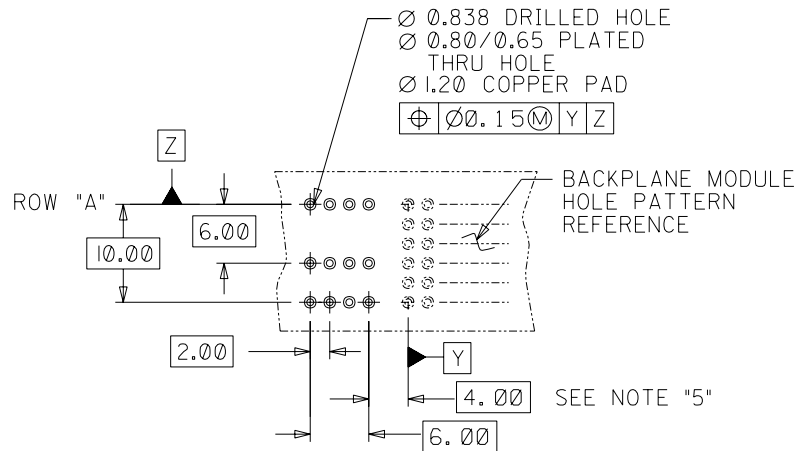
SECTION: Z-Z
ROTATED 90° CW



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.

				REVISE ONLY ON CAD SYSTEM																				
A	G	ADD TOLERANCE PER UCP2004-1027 ELO 03/11/26	D	NEW MIDPLANE PER UDT2000-1298 ELO 00/06/20	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE SALES ASSY, HDM BACKPLANE POWER MODULE (PRESS FIT)																	
	F	ADD SHEET 4 PER UCP2003-0012 ELO 02/07/03	C	ADD TAIL LENGTH PER UDT2000-1240 ELO 00/06/08	<table><tr><td colspan="2">INCH</td><td colspan="2">METRIC</td></tr><tr><td>3 PLACE</td><td>± N/A</td><td colspan="2">---</td></tr><tr><td>2 PLACE</td><td>± N/A</td><td colspan="2">± ---</td></tr><tr><td>1 PLACE</td><td>---</td><td colspan="2">± ---</td></tr></table>		INCH		METRIC		3 PLACE	± N/A	---		2 PLACE	± N/A	± ---		1 PLACE	---	± ---			
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	2 PLACE	± N/A	± ---																					
1 PLACE	---	± ---																						
E	ADD -5001 P/N PER UDT2002-0540 ELO 01/10/03	B	DATE CODE PER UDT2000-0399 ELO 99/10/26	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.																		
LTR.	REVISIONS	LTR.	REVISIONS	<table><tr><td>DRWG. BY</td><td>ELO</td><td>CHK'D. BY</td><td>SMR</td></tr><tr><td>APP'D. BY</td><td>CAB</td><td>SCALE</td><td>2 : 1</td></tr></table>		DRWG. BY	ELO	CHK'D. BY	SMR	APP'D. BY	CAB	SCALE	2 : 1	PART NO. SEE CHART SDA-73656-*00*										
DRWG. BY	ELO	CHK'D. BY	SMR																					
APP'D. BY	CAB	SCALE	2 : 1																					
				SHEET NO. 1 OF 4 DATE 98/05/21		FILE NAME S73656X1 DGN																		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. DA SIZE B																		

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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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