

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0736562000](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Power Module, Vertical, SMC, Power Receptacle, 3 Circuits, Gold (Au) 0.76µm (30µ")

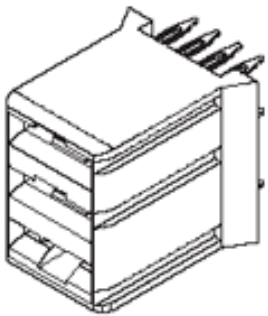
Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-73670-9999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	73656
Application	Backplane
Comments	Backplane Power Module
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
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Plating Termination	Gold
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	None
PCB Thickness Recommended (in)	0.138 In
PCB Thickness Recommended (mm)	3.50 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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
[73656Series](#)

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

Electrical

Current - Maximum per Contact	15A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	75
Shielded	No
Voltage - Maximum	500V AC

Material Info

Reference - Drawing Numbers

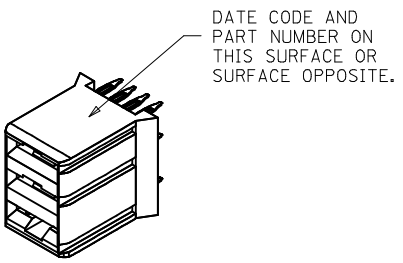
Application Specification	AS-73656-1998
Packaging Specification	PK-70873-0819
Product Specification	PS-73670-9999
Sales Drawing	SDA-73656-*00*

HDM and High Density Metric are trademarks of Amphenol Corporation

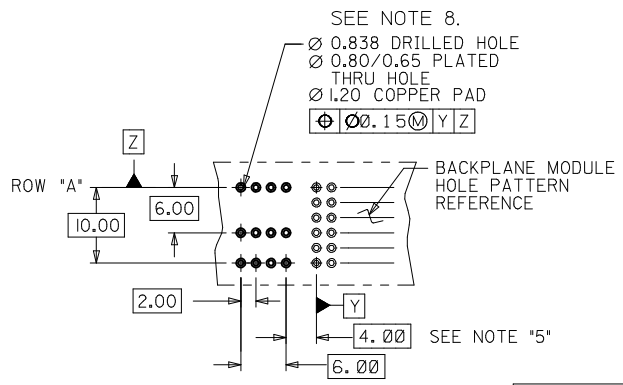
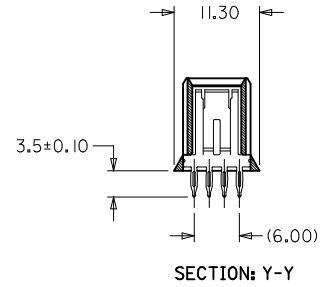
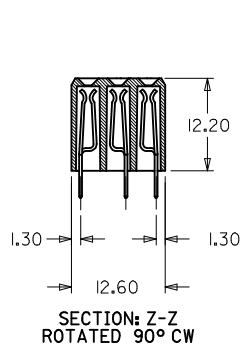
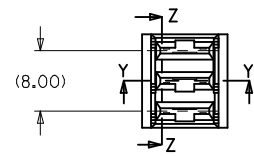
This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



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



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

- 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, 0.76 micrometer MINIMUM THICKNESS: NICKEL (Ni) AND GOLD FLASH OVERALL
 3. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 micrometer MINIMUM THICKNESS: TIN/LEAD (Sn/Pb) OVER NICKEL (Ni) IN COMPLIANT AREA: NICKEL (Ni) OVERALL ON REMAINING WITH SELECTIVE GOLD (Au) FLASH.
 4. THIS DIMENSION MUST BE A MULTIPLE OF 4.00 mm.
 5. DIMENSIONS ARE IN MILLIMETERS.
 6. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
 7. PACKAGE ASSEMBLIES PER PK-70873-0819.
 8. HOLE SIZE SPECIFICATION IS FOR TIN/LEAD PLATED HOLES ONLY. FOR OTHER PLATING TYPES SEE MOLEX APPLICATION AS-73670-9996.
 9. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

F

E

D

C

B

A

F

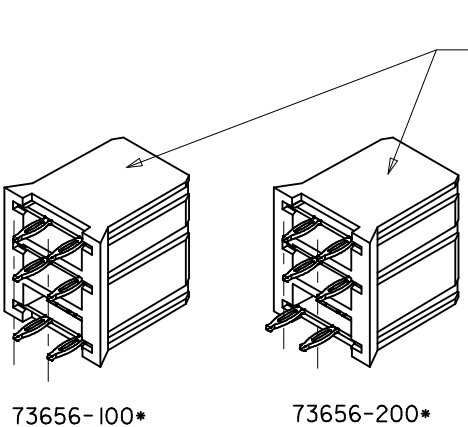
E

D

C

B

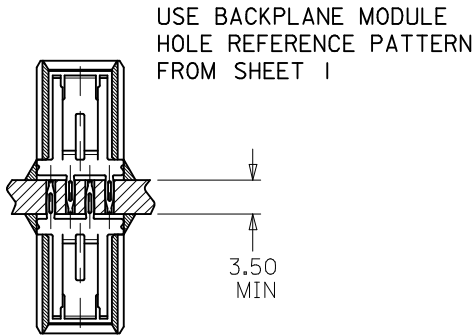
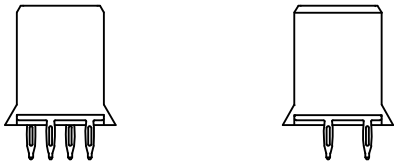
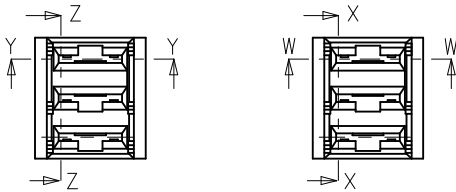
A



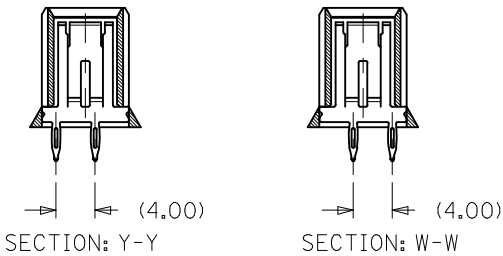
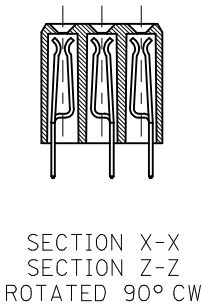
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.

MIDPLANE OPTION

ASSEMBLY NUMBER	FINISH (SEE SHT 1)
73656-1000	SEE NOTE 2. (GOLD TAILS)
73656-2000	
73656-1001	SEE NOTE 3. (TIN/LEAD TAILS)
73656-2001	



BACK-TO-BACK
MOUNTING APPLICATION



SEE SHEET 1 EC NO: UCP2009-1813 DRWN:SDANIELLEY 2009/07/17 CHKD:BSMART 2009/07/24 APPR:SMILLER 2009/07/24 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			mm	INCH	DRAWN BY	DATE	TITLE SALES ASSY , HDM BACKPLANE POWER MODULE (PRESSFIT)						
			4 PLACES	± ---	± ---	ELO							1998/05/21
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED					
			2 PLACES	± ---	± ---	SMR	1998/05/21						
			1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SDA-73656-*00* SHEET NO. 2 OF 4					
ANGULAR ±1/2°			CAB	1998/05/21									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SEE TABLE								
			SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

ASSEMBLY NUMBER

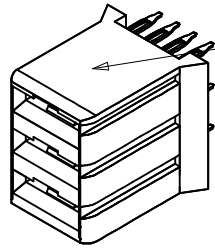
FINISH (SHT I)

73656-5000

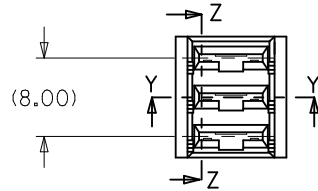
SEE NOTE 2.

73656-5001

SEE NOTE 3.



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



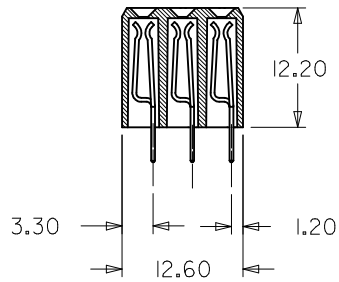
(8.00)

11.30

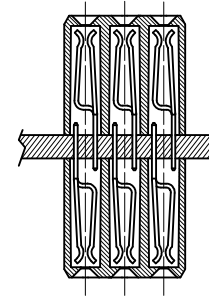
3.5±0.10

(6.00)

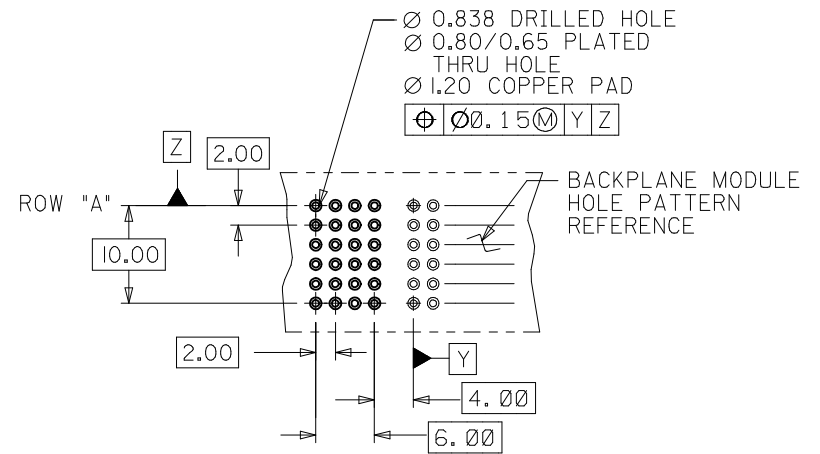
SECTION: Y-Y



SECTION: Z-Z
ROTATED 90° CW



2.36 MIN



Ø 0.838 DRILLED HOLE
Ø 0.80/0.65 PLATED
THRU HOLE
Ø 1.20 COPPER PAD

⌀ Ø0.15 (M) Y Z

BACKPLANE MODULE
HOLE PATTERN
REFERENCE

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY	DATE	TITLE	
4 PLACES	± ---	± ---	± ---	ELO	1998/05/21	SALES ASSY, HDM BACKPLANE POWER MODULE (PRESSFIT) MOLEX INCORPORATED	
3 PLACES	± ---	± ---	± ---	CHECKED BY	DATE		
2 PLACES	± ---	± ---	± ---	SMR	1998/05/21		
1 PLACE	± ---	± ---	± ---	APPROVED BY	DATE		
ANGULAR ±1/2°				CAB	1998/05/21		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO.	SHEET NO.
		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-73656-*00*	3 OF 4

ASSEMBLY NUMBER

FINISH

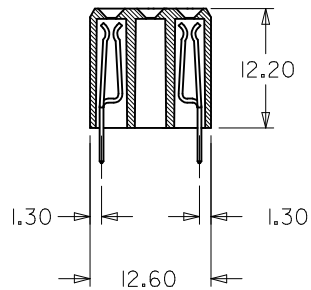
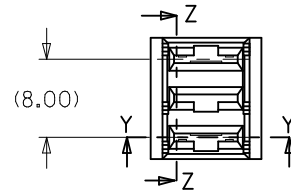
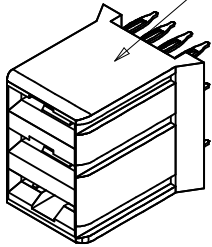
73656-0180

SEE NOTE 2.

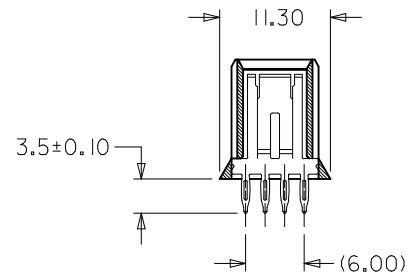
73656-0181

SEE NOTE 3.

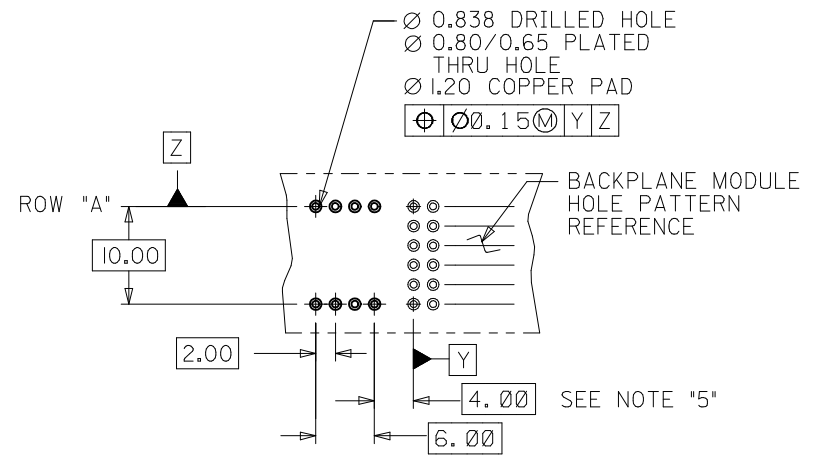
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



SECTION: Z-Z
ROTATED 90° CW



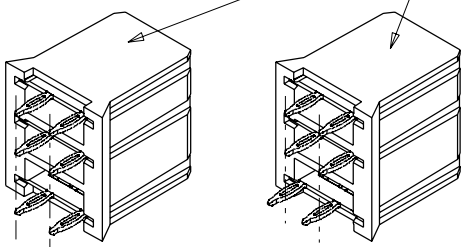
SECTION: Y-Y



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

SEE SHEET 1 EC NO: UCP2009-1813 DRWN:SDANIELLEY 2009/07/17 CHKD:SMART 2009/07/24 APPR:SMILLER 2009/07/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE SALES ASSY , HDM BACKPLANE POWER MODULE (PRESSFIT)				
			4 PLACES	± ---	± ---	ELO	1998/05/21					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± ---	± ---	SMR	1998/05/21	MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ±1/2°		CAB	1998/05/21	MOLEX					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE TABLE		SDA-73656-*00*		4 OF 4			
REV					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

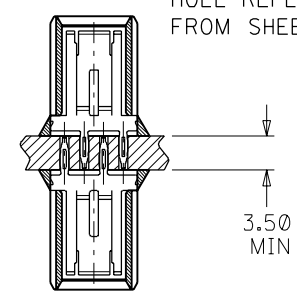


73656-100* 73656-200*

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

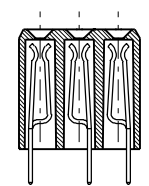
MIDPLANE OPTION

ASSEMBLY NUMBER	FINISH (SEE SHT 1)
73656-1000	SEE NOTE 2. (GOLD TAILS)
73656-2000	
73656-1001	SEE NOTE 3. (TIN/LEAD TAILS)
73656-2001	

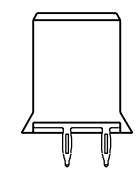
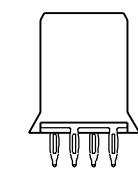
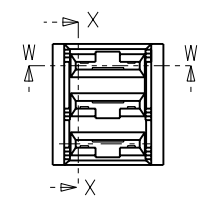
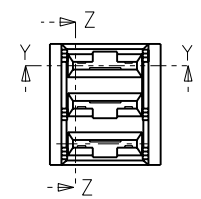


BACK-TO-BACK
MOUNTING APPLICATION

USE BACKPLANE MODULE
HOLE REFERENCE PATTERN
FROM SHEET 1

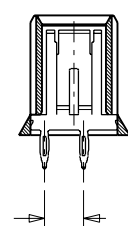


SECTION X-X
SECTION Z-Z
ROTATED 90° CW

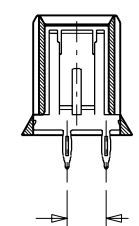


73656-200*

73656-100*



SECTION: Y-Y



SECTION: W-W

F
E
D
C
B
A

F
E
D
C
B
A

				D		SEE SHEET 1	DIMENSIONS SHOWN (METRIC) INCH		REVISE ONLY ON CAD SYSTEM	
				B		SEE SHEET 1	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE SALES ASSY, HDM BACKPLANE POWER MODULE (PRESS FIT)	
				A		SEE SHEET 1	INCH METRIC		SHEET NO. DATE	
							3 PLACE ± N/A ---		2 60532 98/05/21	
							2 PLACE ± N/A ± ---		PART NO. DRWG. NO.	
							1 PLACE --- ± ---		SEE CHART SDA-73656-*00*	
							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.	
							DRWG. BY ELO CHK'D. BY SMR		DIV. SIZE	
							APP'D. BY CAB SCALE 2 : 1		DA B	
				LTR.	REVISIONS	LTR.	REVISIONS			

10 9 8 7 6 5 4 3 2 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.
- 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.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

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.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru