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Part Number: [0736561001](#)
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	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	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)	35.2
Plating min: Termination (µm)	0.88
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

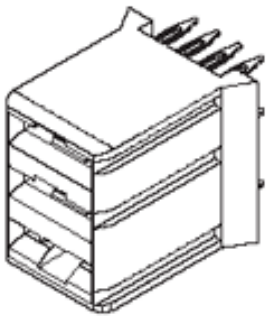


image - Reference only

Series

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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

Electrical

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

Material Info

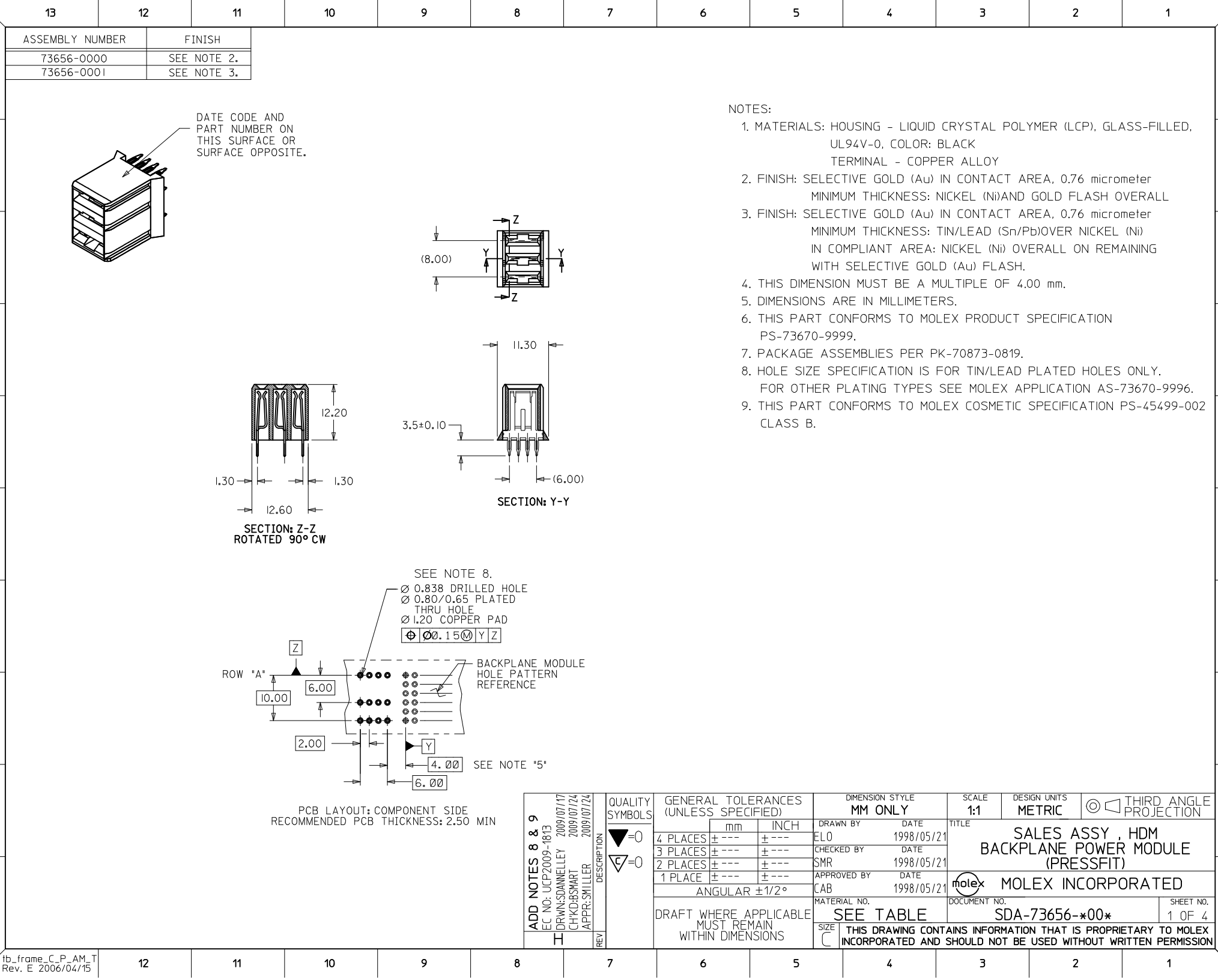
Reference - Drawing Numbers

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

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F F

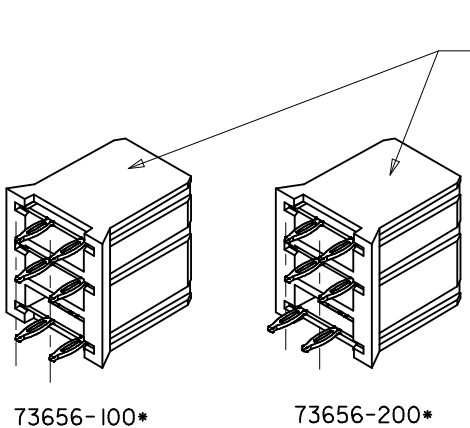
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D D

C C

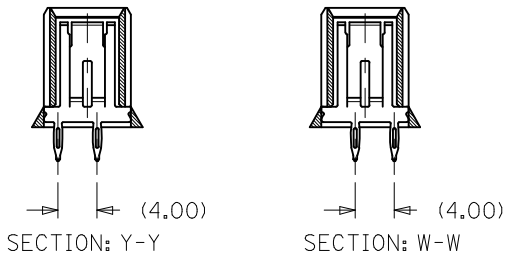
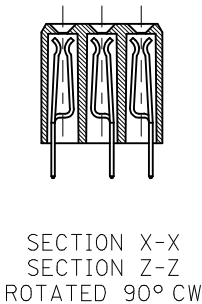
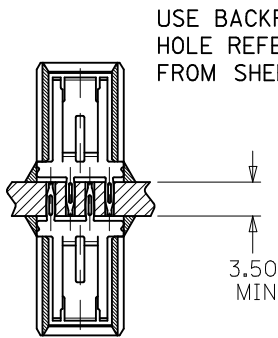
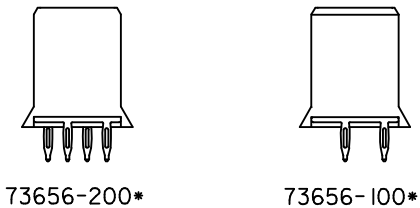
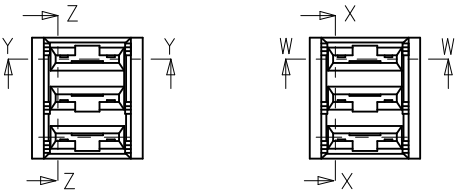
B B

A A



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	



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

ASSEMBLY NUMBER

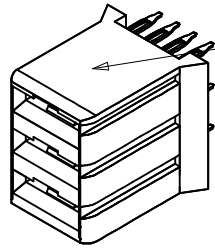
FINISH (SHT I)

73656-5000

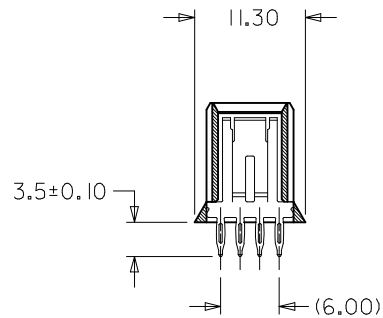
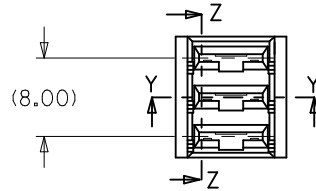
SEE NOTE 2.

73656-5001

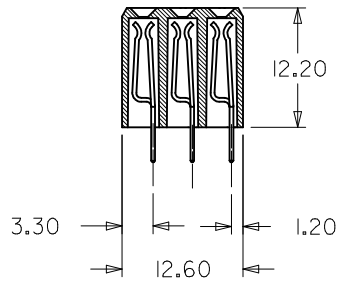
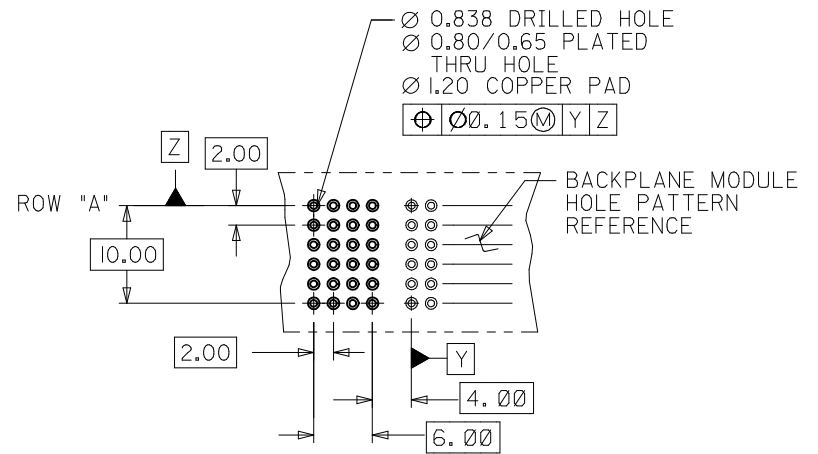
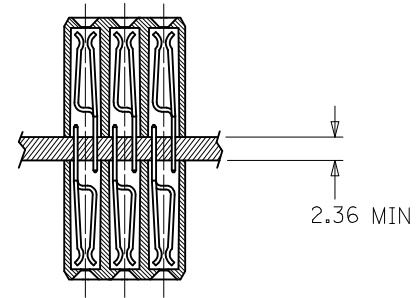
SEE NOTE 3.



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



SECTION: Y-Y

SECTION: Z-Z
ROTATED 90° CW

SEE SHEET 1 EC NO: UCP2009-1813 DRWN:SDANIELLEY 2009/07/17 CHKD:BSMART 2009/07/24 APPR:SMILLER 2009/07/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=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)  MOLEX INCORPORATED	
			4 PLACES	± ---	± ---	ELO	1998/05/21		
			3 PLACES	± ---	± ---	CHECKED BY	DATE		
			2 PLACES	± ---	± ---	SMR	1998/05/21		
			1 PLACE	± ---	± ---	APPROVED BY	DATE		
ANGULAR ±1/2°		CAB	1998/05/21	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-73656-*00*		3 OF 4			
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

ASSEMBLY NUMBER

FINISH

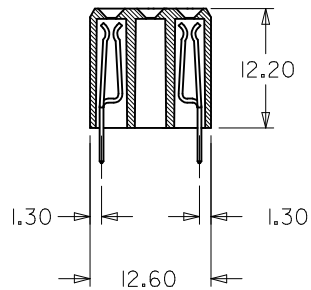
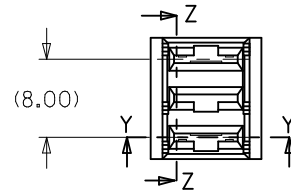
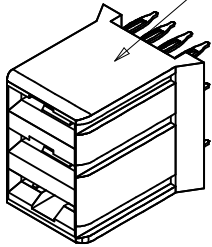
73656-0180

SEE NOTE 2.

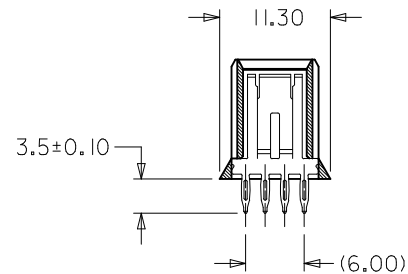
73656-0181

SEE NOTE 3.

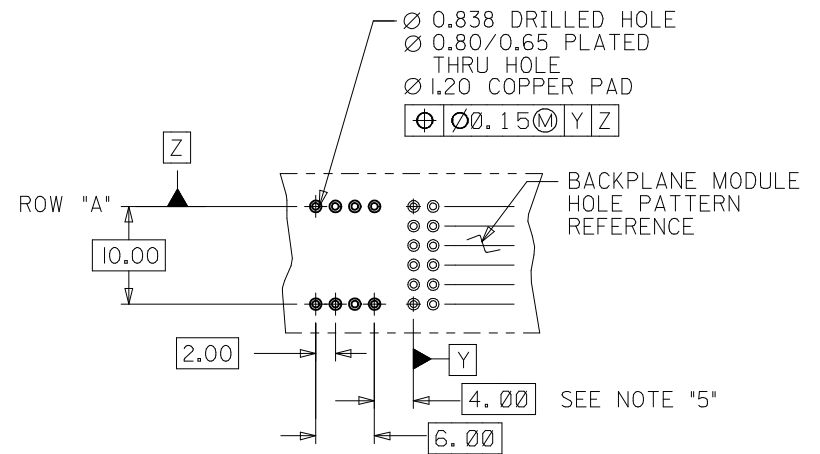
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



SECTION: Z-Z
ROTATED 90° CW

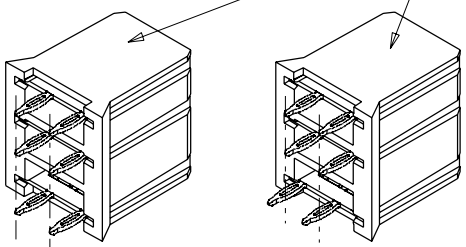


SECTION: Y-Y



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	H	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

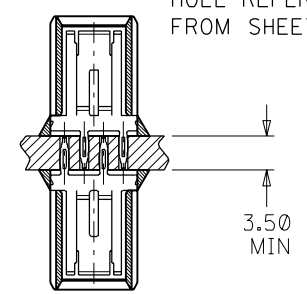


73656-100* 73656-200*

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

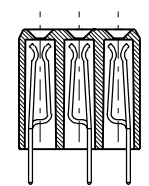
MIDPLANE OPTION

ASSEMBLY NUMBER	FINISH (SEE SHT 1)
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73656-2000	
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73656-2001	

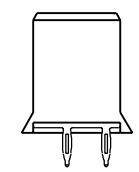
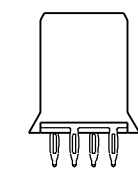
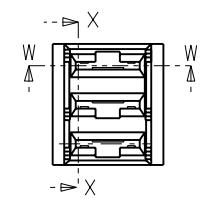
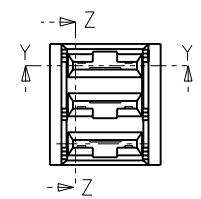


BACK-TO-BACK
MOUNTING APPLICATION

USE BACKPLANE MODULE
HOLE REFERENCE PATTERN
FROM SHEET 1

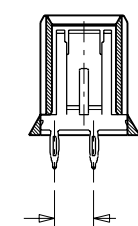


SECTION X-X
SECTION Z-Z
ROTATED 90° CW

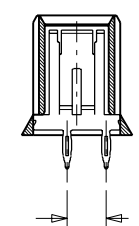


73656-200*

73656-100*



SECTION: Y-Y



SECTION: W-W

				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	3 PLACE ± N/A --- 2 PLACE ± N/A ± --- 1 PLACE --- ± ---		MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.	
				LTR.		REVISIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. SEE CHART	
							DRWG. BY ELO CHK'D. BY SMR		SHEET NO. 2	
							APP'D. BY CAB SCALE 2 : 1		DATE 98/05/21	
							FILE NAME S73656X2 DGN		DIV. DA	
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B	

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

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