

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736565000

Status:

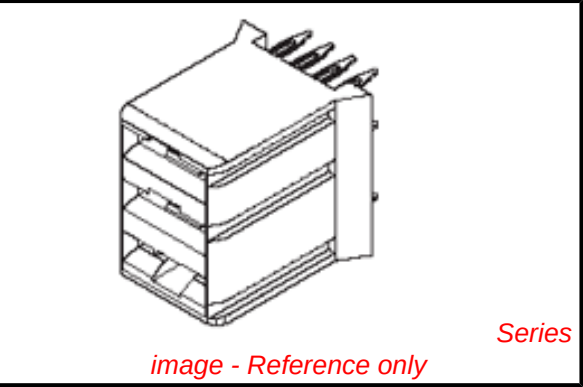
Active

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 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

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
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	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)	2
Plating min: Termination (µm)	0.05
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

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

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

Material Info

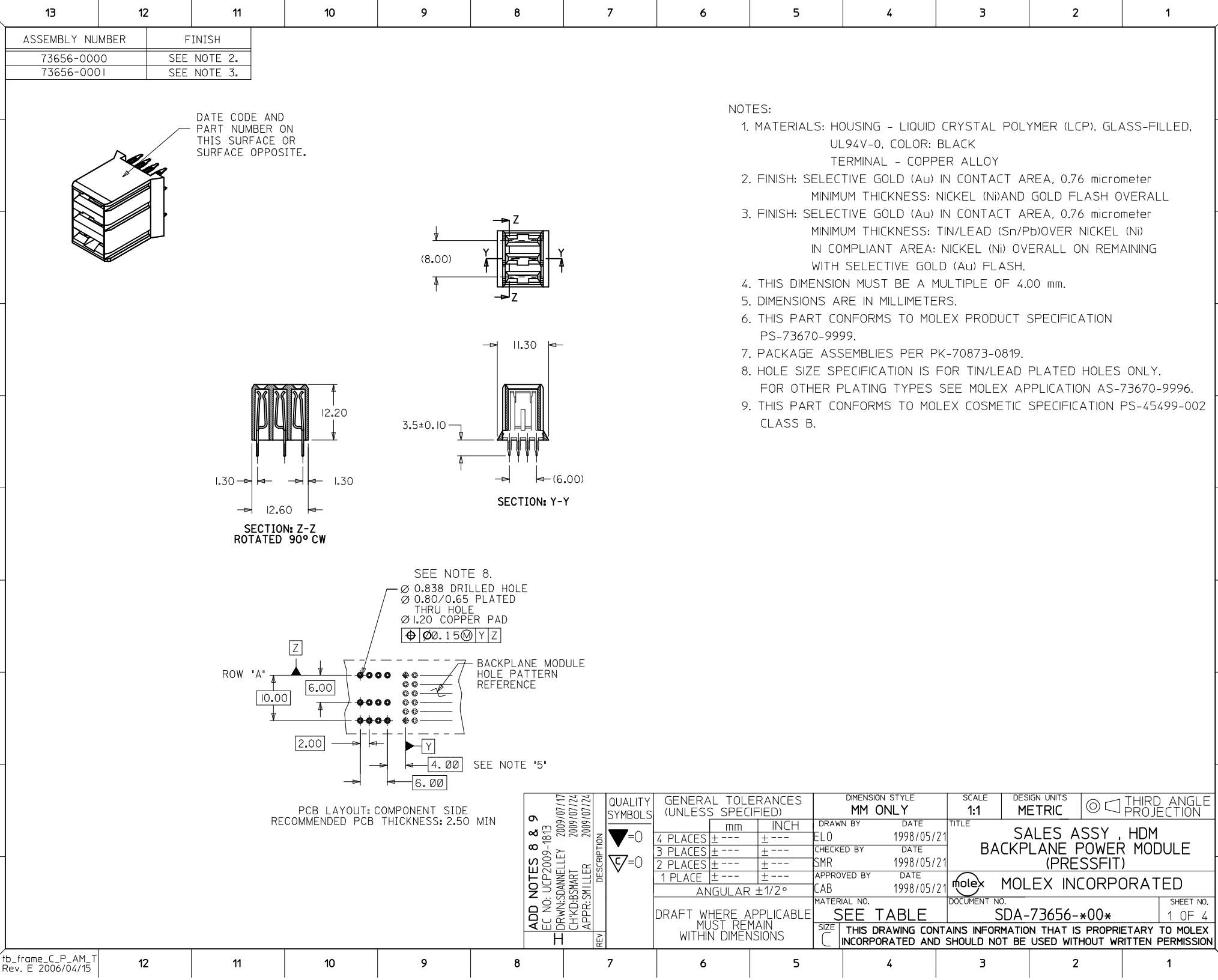
Reference - Drawing Numbers

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

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73656-200*

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	

FROM SHEET

3.50 MIN

Technical drawing of a mechanical part showing a cross-section. The part has a central rectangular hole with a width of 10 and a height of 10. The outer dimensions are 20 by 20. The drawing includes a coordinate system with axes X, Y, and Z. The Z-axis is vertical, and the Y-axis is horizontal. The part is shown in a perspective view with hidden lines indicating internal features.

73656-200*

73656-100*

This diagram shows a cross-section of a multi-layer PCB. It features a central through-hole component, likely a microvia or through-hole pad, surrounded by multiple layers of conductive material. The layers are separated by insulating prepreg or core material. The central feature has a central core and a surrounding annular ring, which is connected to the internal layers.

SECTION: Y-Y

A cross-sectional diagram of a square hole. A central vertical pin is positioned within the hole. Two additional pins are located on the left and right sides of the hole, partially inserted. The hole is defined by a square frame with hatched areas indicating the material being removed.

SECTION: W-W

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

ASSEMBLY NUMBER

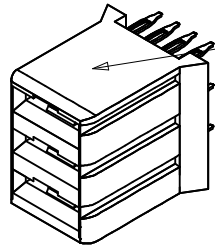
FINISH (SHT I)

73656-5000

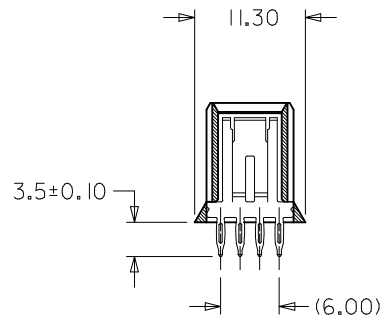
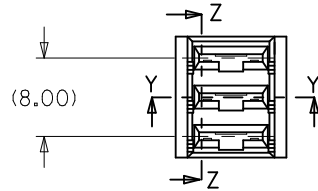
SEE NOTE 2.

73656-5001

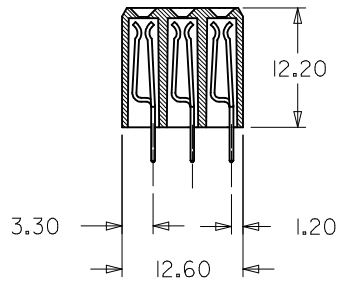
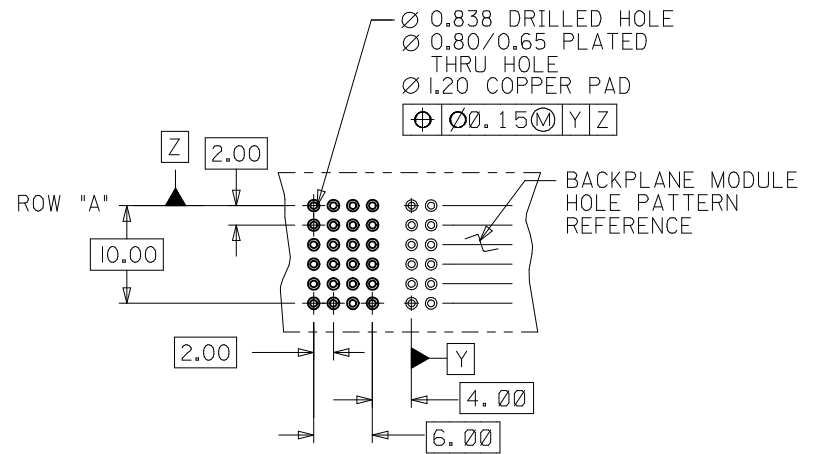
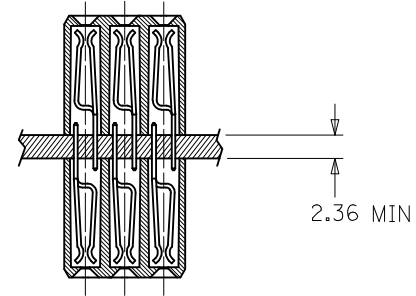
SEE NOTE 3.



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



SECTION: Y-Y

SECTION: Z-Z
ROTATED 90° CW

SEE SHEET 1 EC NO: UCP2009-1813 DRWN:SDANNELLEY 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)				
			4 PLACES	± ---	± ---	ELO	1998/05/21					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± ---	± ---	SMR	1998/05/21	MOLEX MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ±1/2°		CAB	1998/05/21	DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		SDA-73656-*00*		3 OF 4			
					SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

ASSEMBLY NUMBER

FINISH

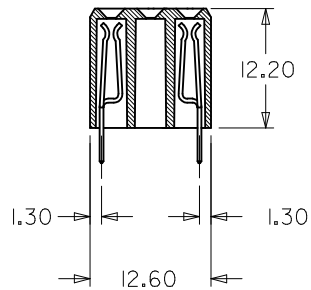
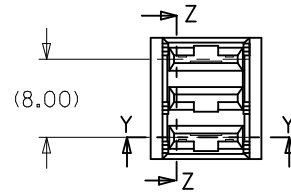
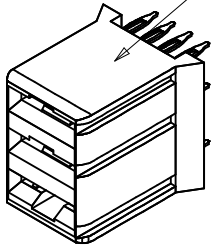
73656-0180

SEE NOTE 2.

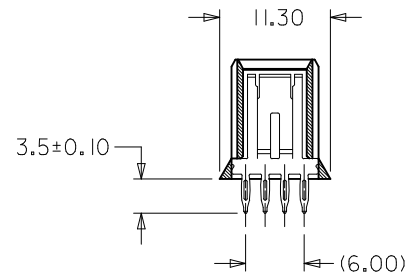
73656-0181

SEE NOTE 3.

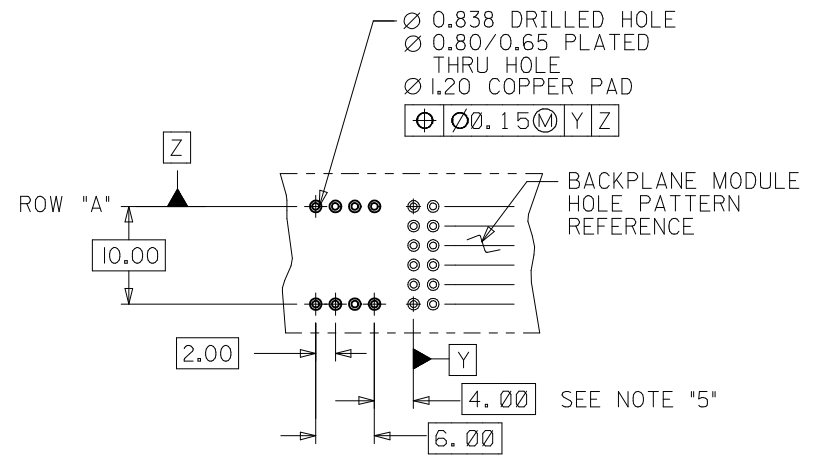
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



SECTION: Z-Z
ROTATED 90° CW



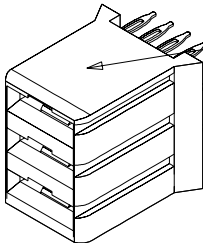
SECTION: Y-Y



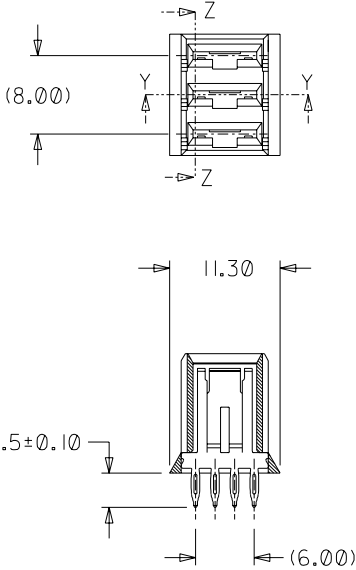
PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

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										

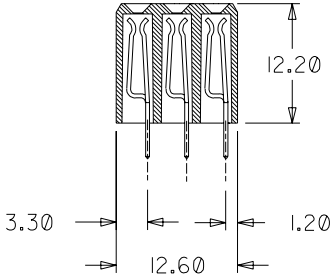
10	9	8	7	6	5	4	3	2	1
ASSEMBLY NUMBER		FINISH (SHT 1)							
73656-5000		SEE NOTE 2.							
73656-5001		SEE NOTE 3.							



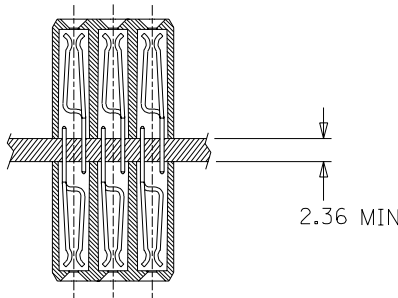
DATE CODE AND PART NUMBER ON THIS SURFACE OR SURFACE OPPOSITE.



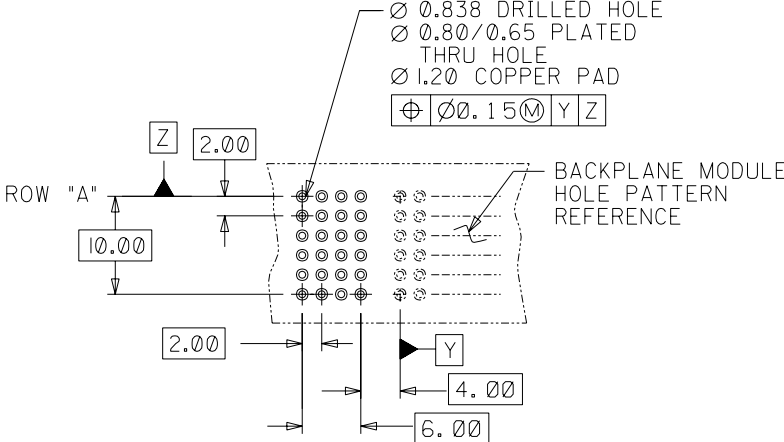
SECTION: Y-Y



SECTION: Z-Z
ROTATED 90° CW



2.36 MIN



ROW "A"

2.00

10.00

2.00

4.00

6.00

Ø 0.838 DRILLED HOLE
Ø 0.80/0.65 PLATED
THRU HOLE
Ø 1.20 COPPER PAD
⊕ Ø0.15Ⓜ Y Z

BACKPLANE MODULE
HOLE PATTERN
REFERENCE

10	9	8	7	6	5	4	3	2	1
				B		SEE SHEET 1			
		G		SEE SHEET 1		AI		SEE SHEET 1	
		E		SEE SHEET 1		A		SEE SHEET 1	
LTR.		REVISIONS		LTR.		REVISIONS			

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		INCH		METRIC	
3 PLACE		± N/A		---		---	
2 PLACE		± N/A		± ---		± ---	
1 PLACE		---		± ---		± ---	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
DRWG. BY: ELO		CHK'D. BY: SMR		FILE NAME: S73656X3		DGN	
APP'D. BY: BIXLER		SCALE: 2 : 1		SEE CHART		SDA-73656-*00*	

TITLE: SALES ASSY, HDM BACKPLANE POWER MODULE (PRESS FIT)		REVISE ONLY ON CAD SYSTEM	
MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 3 DATE 98/05/21	
PART NO. SEE CHART		DRWG. NO. SDA-73656-*00*	
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

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