

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736565000

Status:

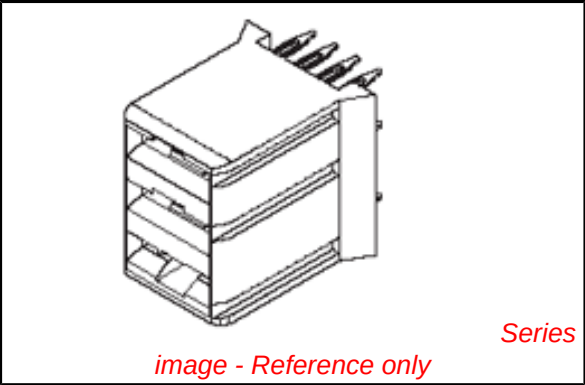
Active

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

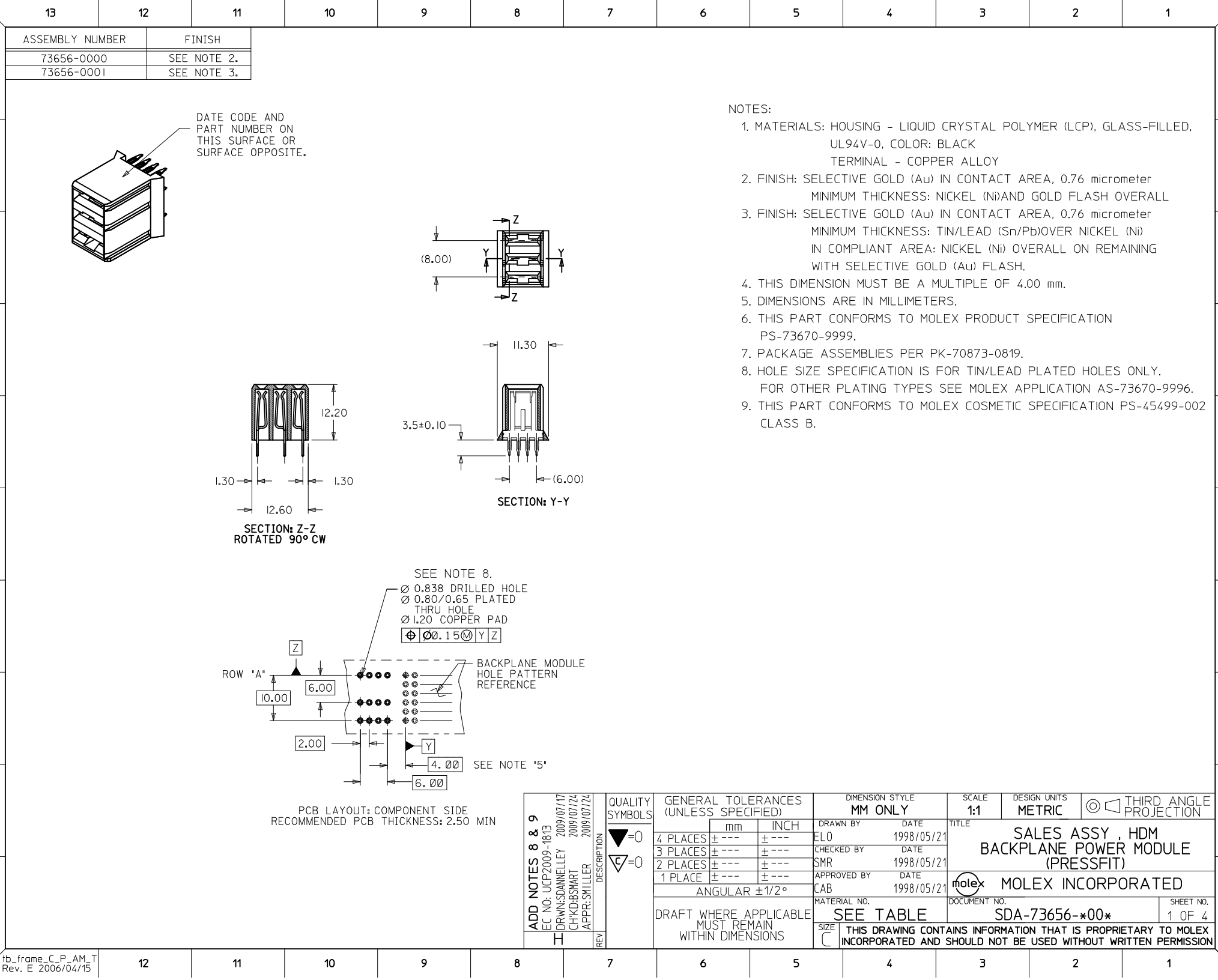
Reference - Drawing Numbers

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

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This document was generated on 05/14/2010

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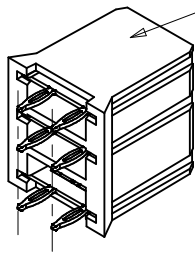
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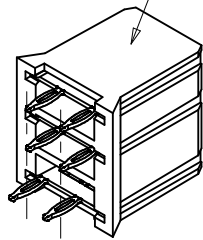
2

73656

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



73656-100*

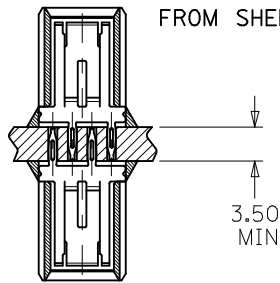


73656-200*

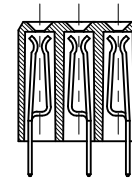
MIDPLANE OPTION

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	

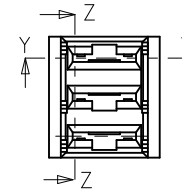
USE BACKPLANE MODULE
HOLE REFERENCE PATTERN
FROM SHEET 1



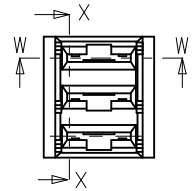
BACK-TO-BACK
MOUNTING APPLICATION



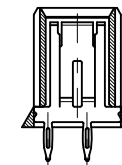
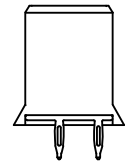
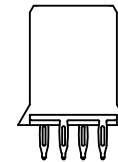
SECTION X-X
SECTION Z-Z
ROTATED 90° CW



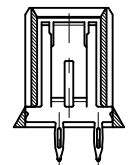
73656-200*



73656-100*



SECTION: Y-Y
(4.00)



SECTION: W-W
(4.00)

SEE SHEET 1 EC NO: UCP2009-1813 DRWN:SDANIELLEY 2009/07/17 CHKD:BSMART 2009/07/24 APPR:SMILLER 2009/07/24 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 ELO	DATE 1998/05/21	
		4 PLACES	± ---	± ---		CHECKED BY	DATE	
		3 PLACES	± ---	± ---		SMR	1998/05/21	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ±1/2°	2 PLACES	± ---	± ---		APPROVED BY CAB	DATE 1998/05/21	TITLE SALES ASSY, HDM BACKPLANE POWER MODULE (PRESSFIT) MOLEX INCORPORATED DOCUMENT NO. SDA-73656-*00* SHEET NO. 2 OF 4
		1 PLACE	± ---	± ---		MATERIAL NO.		
						SIZE B		

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1

ASSEMBLY NUMBER

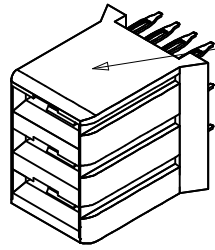
FINISH (SHT I)

73656-5000

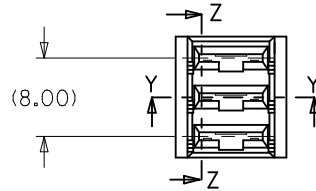
SEE NOTE 2.

73656-5001

SEE NOTE 3.



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



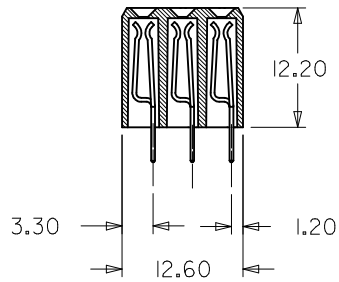
(8.00)

11.30

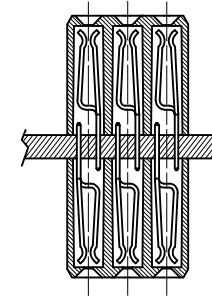
3.5±0.10

(6.00)

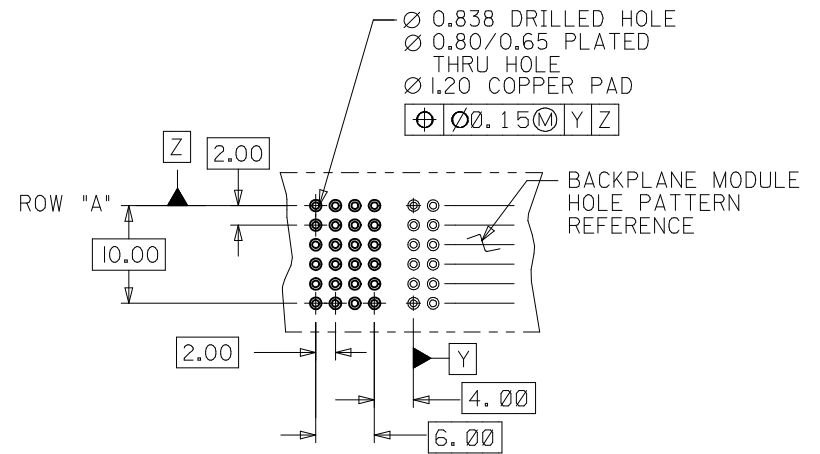
SECTION: Y-Y



SECTION: Z-Z
ROTATED 90° CW



2.36 MIN



SEE SHEET 1
EC NO: UCP2009-1813
DRWN: SDANIELLEY 2009/07/17
CHKD: BSMART 2009/07/24
APPR: SMILLER 2009/07/24

QUALITY SYMBOLS

=0

=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
ELO	1998/05/21
CHECKED BY	DATE
SMR	1998/05/21
APPROVED BY	DATE
CAB	1998/05/21

MATERIAL NO.

SEE TABLE

SIZE
BSCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

SALES ASSY, HDM
BACKPLANE POWER MODULE
(PRESSFIT)

MOLEX INCORPORATED

DOCUMENT NO.

SDA-73656-*00*

SHEET NO.

3 OF 4

ASSEMBLY NUMBER

FINISH

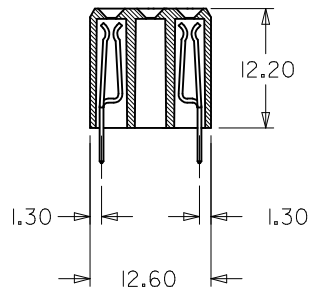
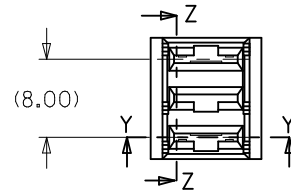
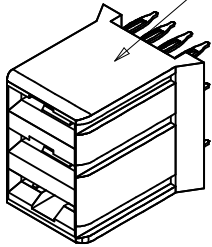
73656-0180

SEE NOTE 2.

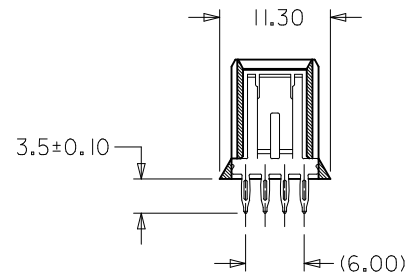
73656-0181

SEE NOTE 3.

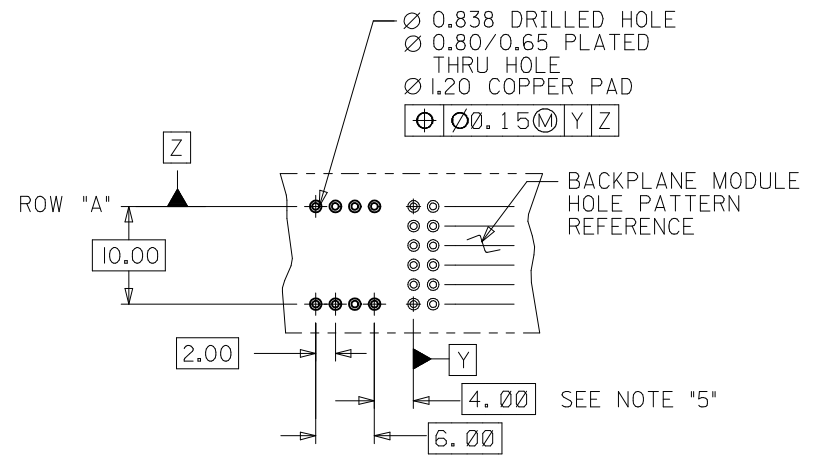
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



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	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION	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 INCORPORATED						
					MATERIAL NO.							DOCUMENT NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-73656-*00*					4 OF 4	
					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
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

ROW "A"

2.00

10.00

2.00

4.00

6.00

Y

Z

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

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
APP'D BY	BIXLER	SCALE	2 : 1

TITLE		REVISE ONLY ON CAD SYSTEM	
SALES ASSY, HDM BACKPLANE POWER MODULE (PRESS FIT)			
MOLEX INCORPORATED Lisle, Ill. 60532 U.S.A.		SHEET NO. 3	DATE 98/05/21
PART NO. SEE CHART		SDA-73656-*00*	
FILE NAME S73656X3 DGN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. DA
		SIZE B	