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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")

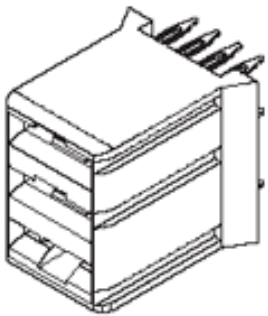
Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-73670-9999 \(PDF\)](#)

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

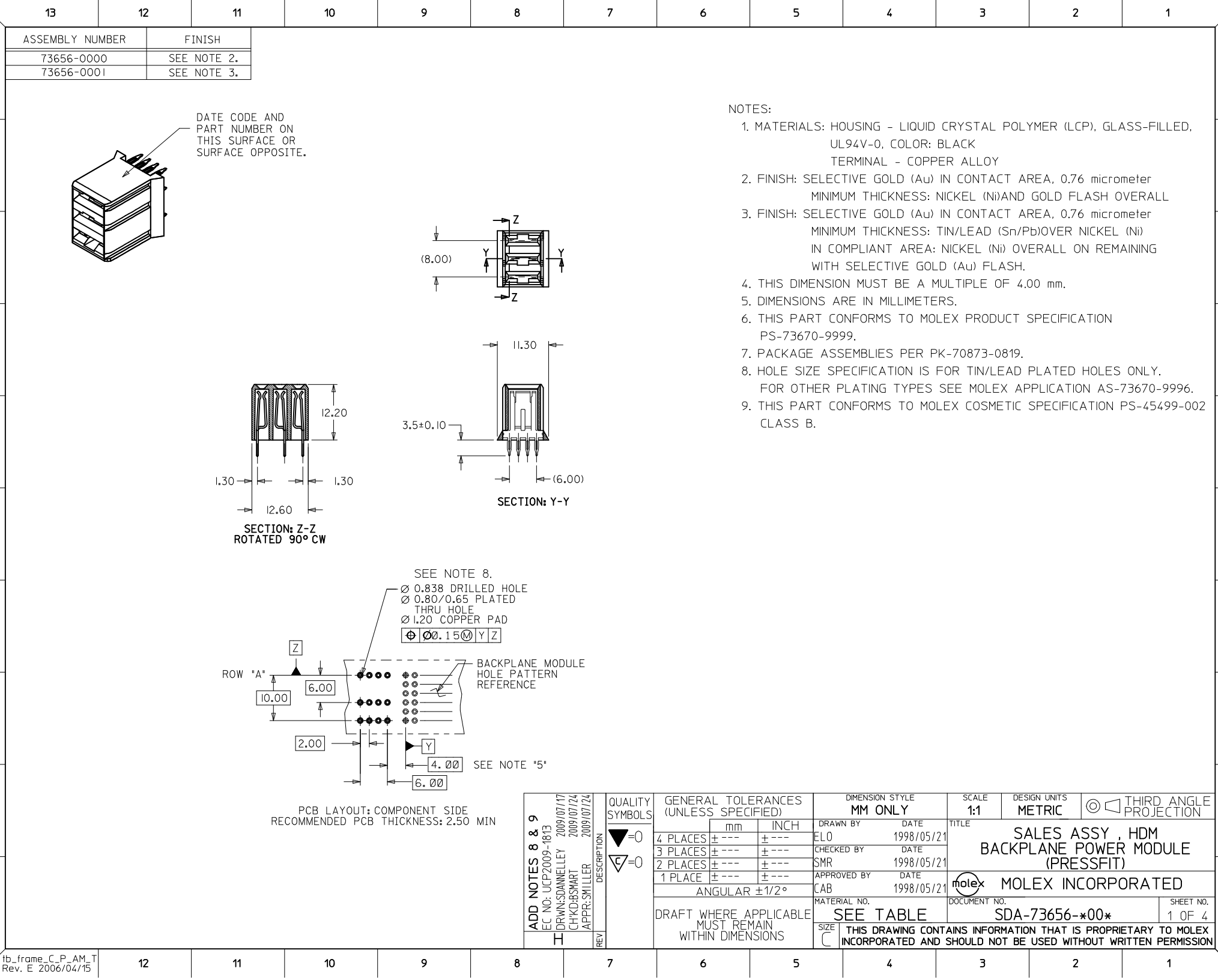
Reference - Drawing Numbers

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

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This document was generated on 05/14/2010

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10	9	8	7	6	5	4	3	2
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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	

73656-200*

FROM SHEET

3.50 MIN

Technical drawing of a mechanical part showing a cross-section. The part has a rectangular outer profile with a central rectangular hole. The drawing includes dimension lines and arrows indicating measurements. A coordinate system is shown with the Y-axis pointing upwards and the Z-axis pointing to the right. The part is symmetrical about the Y-Z plane.

73656-200*

73656-100*

This diagram shows a cross-section of a multi-layer PCB. It features a central through-hole with a vertical conductor. The hole is filled with a conductive paste, and the top surface is covered by a solder mask. The internal layers are shown as alternating solid and hatched regions, with a central core or prepreg material.

SECTION: Y-Y

A cross-sectional diagram of a mechanical assembly. It features a central vertical rod passing through a rectangular block. The block has a central cavity. On either side of the central rod, there are two smaller vertical rods. The entire assembly is shown in a cross-section with hatching on the outer edges.

SECTION: W-W

tb_frame_B_P_AM_T
Rev. E 2006/04/15

ASSEMBLY NUMBER

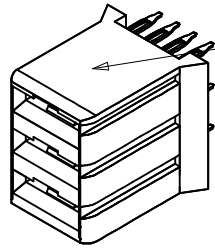
FINISH (SHT I)

73656-5000

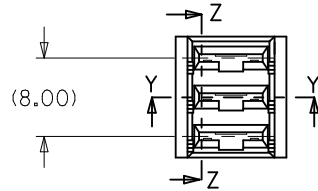
SEE NOTE 2.

73656-5001

SEE NOTE 3.



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



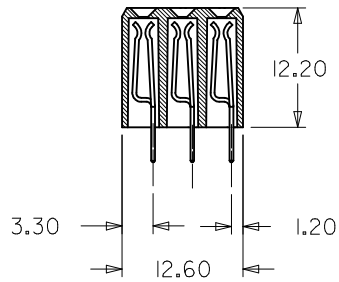
(8.00)

11.30

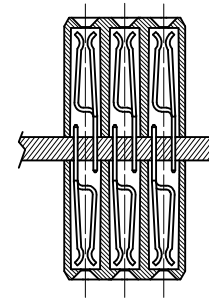
3.5±0.10

(6.00)

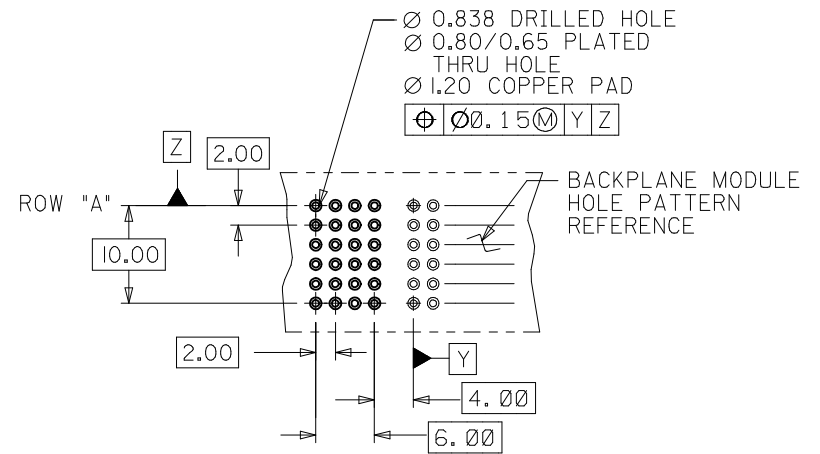
SECTION: Y-Y



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	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
			1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX 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*		3 OF 4				
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

ASSEMBLY NUMBER

FINISH

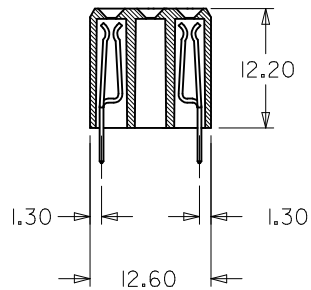
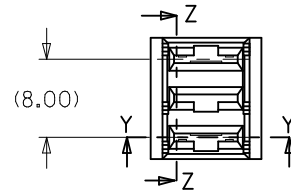
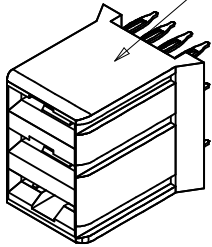
73656-0180

SEE NOTE 2.

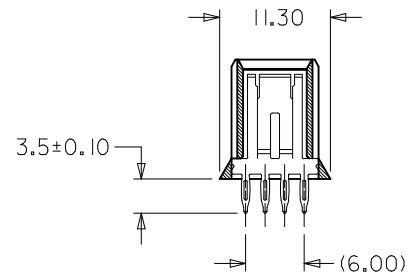
73656-0181

SEE NOTE 3.

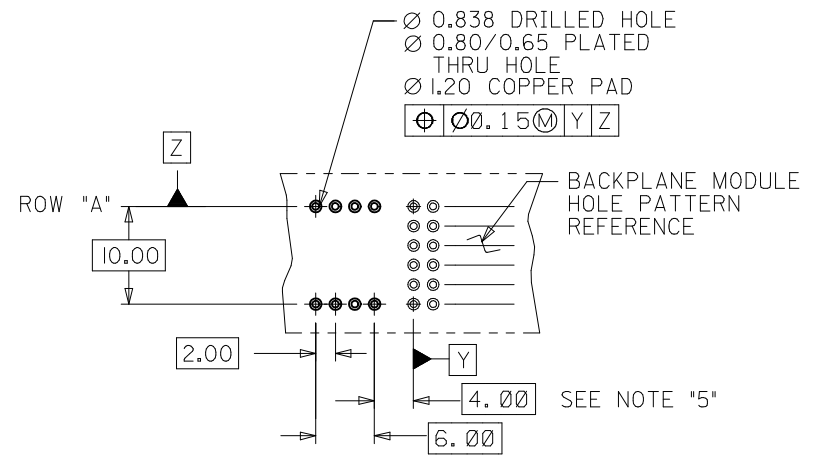
DATE CODE AND
PART NUMBER ON
THIS SURFACE OR
SURFACE OPPOSITE.



SECTION: Z-Z
ROTATED 90° CW

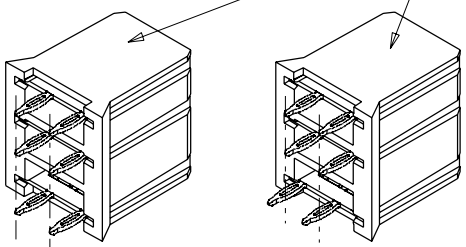


SECTION: Y-Y



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	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	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						

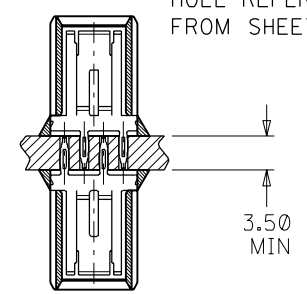


73656-100* 73656-200*

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

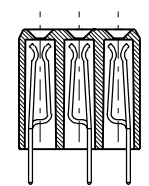
MIDPLANE OPTION

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	

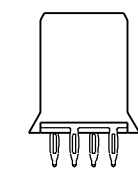
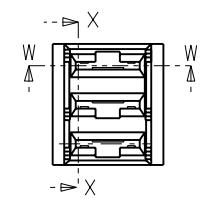
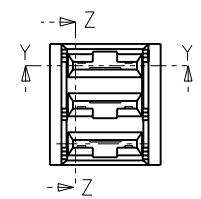


BACK-TO-BACK
MOUNTING APPLICATION

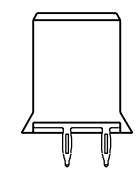
USE BACKPLANE MODULE
HOLE REFERENCE PATTERN
FROM SHEET 1



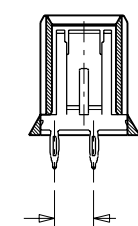
SECTION X-X
SECTION Z-Z
ROTATED 90° CW



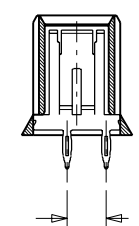
73656-200*



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		moLEX MOLEX INCORPORATED SHEET NO. DATE LISLE, ILL. 60532 U.S.A. 2 98/05/21	
						3 PLACE ± N/A ---		PART NO. DRWG. NO.	
						2 PLACE ± N/A ±---		SEE CHART SDA-73656-*00*	
						1 PLACE --- ±---		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIV. SIZE	
						DRWG. BY ELO CLK'D. BY SMR		DA B	
						APP'D. BY CAB SCALE 2 : 1			
				LTR.	REVISIONS	LTR.	REVISIONS		

10 9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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