

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0739446001](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, SMC, Solder Tail, Guide Pin Option, 72 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-73670-9999 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

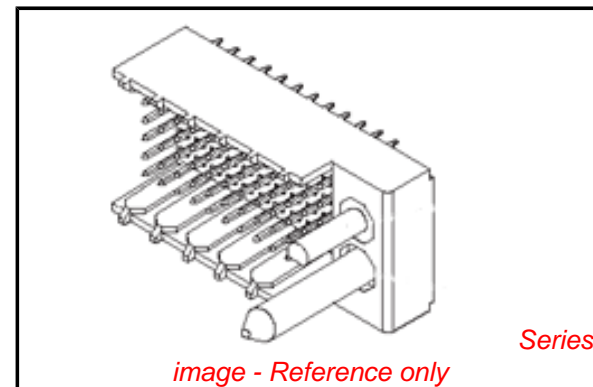
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [73944](#)  
 Application Backplane  
 Component Type PCB Header  
 Overview [hdm](#)  
 Product Name HDM®  
 Style N/A

**Physical**

Circuits (Loaded) 72  
 Circuits (maximum) 72  
 Color - Resin Black, Natural  
 Durability (mating cycles max) 250  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Material - Metal Phosphor Bronze, Stainless Steel  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Columns 12  
 Number of Pairs Open Pin Field  
 Number of Rows 6  
 Orientation Vertical  
 PC Tail Length (in) 0.138 In  
 PC Tail Length (mm) 3.50 mm  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness Recommended (in) 0.098 In  
 PCB Thickness Recommended (mm) 2.50 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) 100  
 Plating min: Termination (µm) 2.5  
 Polarized to PCB No



**EU RoHS**

**ELV and RoHS  
 Compliant  
 REACH SVHC  
 Not Reviewed  
 Halogen-Free  
 Status  
 Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[73944Series](#)

**Mates With**

[73632 HDM PLUS® Board-to-Board Daughtercard Receptacle](#). [73780 HDM® Board-to-Board Daughtercard Receptacle](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
HDM® Backplane	<a href="#">0621001400</a>
Insertion Signal	
Contact Tool	
Extraction Tool	<a href="#">0621001000</a>

Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

### **Electrical**

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Shielded	No
Voltage - Maximum	250V AC

### **Material Info**

### **Reference - Drawing Numbers**

Packaging Specification	PK-70873-0818
Product Specification	PS-73670-9999
Sales Drawing	SD-73944-001

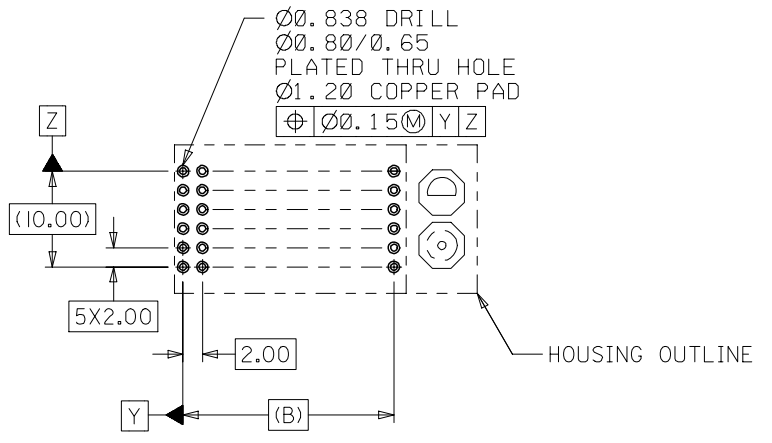
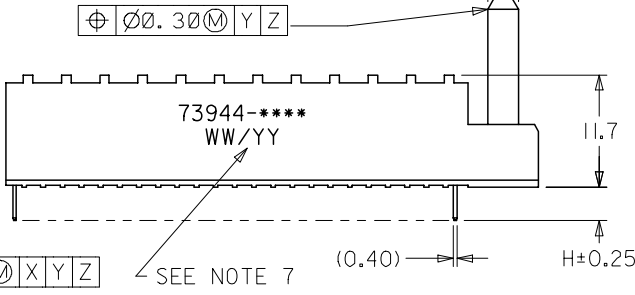
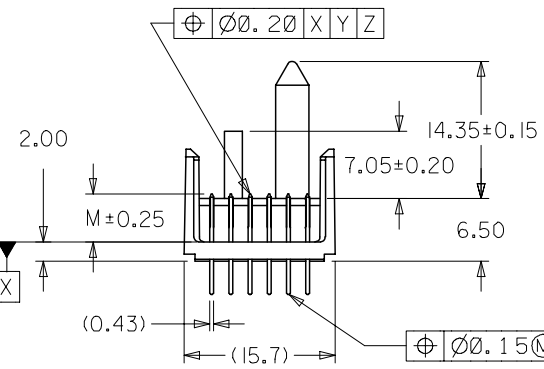
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This document was generated on 05/14/2010

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**NOTES:**

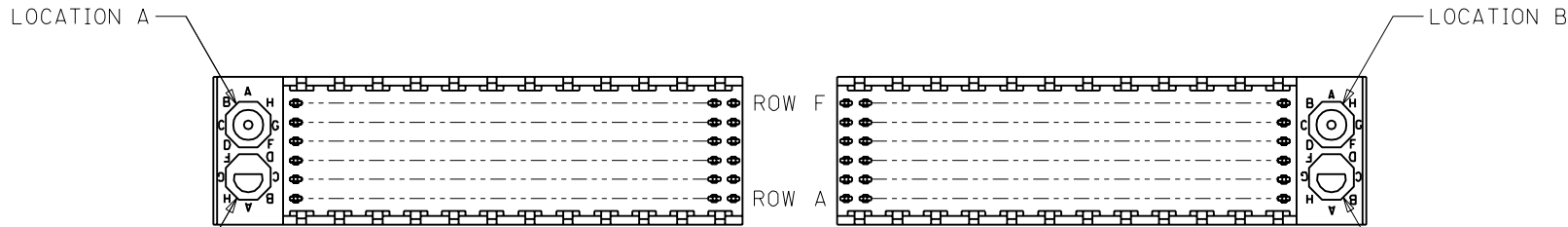
1. MATERIALS: HOUSING--LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94V-0, COLOR: BLACK, TERMINAL: PHOSPHOR BRONZE.
2. FINISH: 0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA 2.50 MICROMETERS MINIMUM SELECTIVE TIN (Sn) IN TAIL AREA NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. SEE SHEET 2 FOR SPECIFIC MATERIAL NUMBERS.
6. PACKAGE PER PK-70873-0818.
7. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 2.50 MIN

2	A
1	G
SHT	REV

MODIFY FINISH NOTE EC NO: UCP2007-2259 DRWN:MSIBARRA 2007/03/13 CHKD:BBARKER 2007/03/21 APPR:SMILLER 2007/03/22	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY JB INGHAM	DATE 1998/01/14	TITLE SALES ASSY HDM BACKPLANE POLAR/GUIDE OPTION SOLDER TAIL VERSION			
		4 PLACES	± ---	± ---	CHECKED BY SREED	DATE 1998/01/14	MATERIAL NO. SEE CHART			
		3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1998/01/14	DOCUMENT NO. SD-73944-001			
			2 PLACES	± 0.05	± ---	SHEET NO. 1 OF 2				
			1 PLACE	± 0.10	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			ANGULAR ±1/2°							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							



REF. MATERIAL NUMBER 73944-1009  
GUIDE PIN IS IN LOCATION A  
POLARIZING KEY IS IN LOCATION B, POSITION E

REF. MATERIAL NUMBER 73944-1008  
GUIDE PIN IS IN LOCATION B  
POLARIZING KEY IS IN LOCATION A, POSITION E

### MATERIAL NUMBER ASSIGNMENT

73944- \* \* \* \*

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "H"
0	72	31.60	22.00	2.00
1	144	55.60	46.00	2.00
2	72	31.60	22.00	2.50
3	144	55.60	46.00	2.50
4	72	31.60	22.00	3.00
5	144	55.60	46.00	3.00
6	72	31.60	22.00	3.50
7	144	55.60	46.00	3.50

NUMBER	DIM "M"
0	5.00
1	5.50
2	6.00

NUMBER	GUIDE POST LOCATION	POLAR KEY POSITION
00	B	
01	A	A
02	B	B
03	A	C
04	B	D
05	A	E
06	B	F
07	A	G
08	B	H
09	A	
10	B	
11	A	
12	B	
13	A	
14	B	
15	A	
16	B	
17	A	
18	N/A	N/A

SEE SHEET 1  
EC No. U81577  
DRWN: BINGHAM 98/02/03  
CHK: REED 98/02/03  
APPR: BIXLER 98/02/03

MAJOR = 0  
CRITICAL = 0

DESCRIPTION  
REV A

QUALITY SYMBOLS

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0./N/A	±.
1 PLACE	±0./N/A	±.

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2 : 1

DESIGN UNITS  mm  INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE  
JBINGHAM 98/01/14

CHECKED BY & DATE  
SREED 98/01/14

APPROVED BY & DATE  
CBIXLER 98/01/14

CAD FILENAME  
S73944X2.DGN

DIMENSIONS:  mm  INCH  mm ONLY

SHT REV

REVISE ON CAD ONLY

TITLE: SALES ASSY, HDM BACKPLANE  
POLAR/GUIDE OPTION  
SOLDER TAIL VERSION

MOLEX INCORPORATED

MATERIAL NO. SEE CHART  
DRAWING NO. SD-73944-001  
SHEET NO. 2

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SIZE B



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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