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Part Number: [0739422000](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Open End, 72 Circuits

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73942](#)
Application Backplane
Comments Solder Tail
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 No
Keying to Mating Part None
Material - Metal Phosphor Bronze
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) 0.098 In
PC Tail Length (mm) 2.50 mm
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
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.5
Stackable Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C

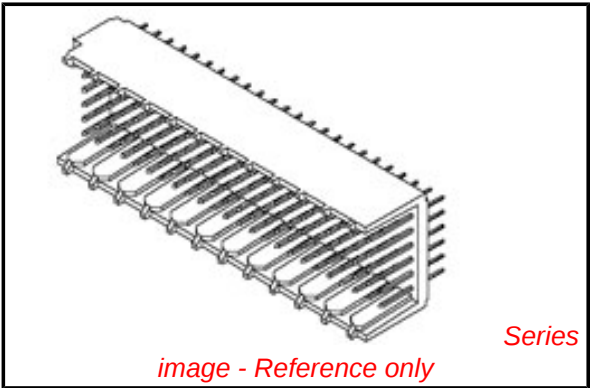


image - Reference only

EU RoHS

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

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
[73942Series](#)

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	0621001400
Insertion Signal	
Contact Tool	
Extraction Tool	0621001000

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

1A

Data Rate

1.0 Gbps

Voltage - Maximum

250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-0818

Sales Drawing

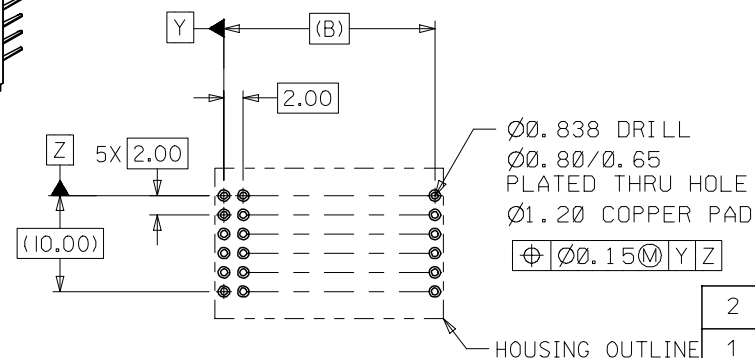
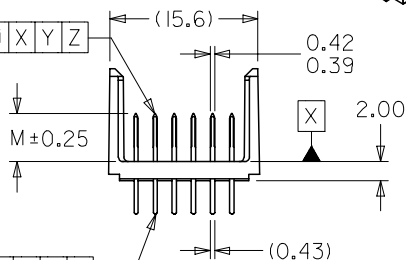
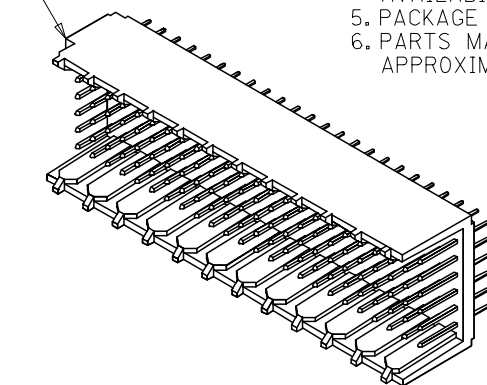
SD-73942-001

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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. PACKAGE PER PK-70873-0818.
6. 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
E	1	G
	SHT	REV

- SEE NOTE 6

MODIFY FINISH NOTE EC NO: UCP2007-2259 DRAWN BY: IBARRA 2007/03/13 CHK'D BY: BARKER 2007/03/21 APPR: MILLER 2007/03/22	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY JB INGHAM	DATE 1998/01/13	TITLE SALES ASSY HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION			
			4 PLACES	± ---	± ---	CHECKED BY SREED	DATE 1998/01/13				
			3 PLACES	± ---	± ---	APPROVED BY CB IXLER	DATE 1998/01/13				
			2 PLACES	± 0.05	± ---	MOLEX MOLEX INCORPORATED		DOCUMENT NO.		SHEET NO. 1 OF 2	
			1 PLACE	± 0.10	± ---						
			ANGULAR ±1/2°		MATERIAL NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		SD-73942-001					
REV					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

MATERIAL NUMBER ASSIGNMENT

73942-* * 0 0

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "H"
0	72	23.84	22.00	2.0
1	144	47.84	46.00	2.0
2	72	23.84	22.00	2.5
3	144	47.84	46.00	2.5
4	72	23.84	22.00	3.0
5	144	47.84	46.00	3.0
6	72	23.84	22.00	3.5
7	144	47.84	46.00	3.5

NUMBER	DIM "M"
0	5.0
1	5.5
2	6.0

SEE SHEET 1 EC No. U81577 DRWN:JBINGHAM 98/0203 CHK: SREED 98/0203 APPR:CBIXLER 98/0203 A	DESCRIPTION REV	QUALITY SYMBOLS MAJOR =0 CRITICAL C=0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE --:--	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV
			☐ mm ☐ INCH	☒ mm ONLY	REVISE ON CAD ONLY						
			4 PLACES ±0.	±.	DRAWN BY & DATE JBINGHAM 98/01/13			TITLE: SALES ASSY, HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION			
			3 PLACES ±0.	±.	CHECKED BY & DATE SREED 98/01/13						
			2 PLACES ±0.N/A	±.	APPROVED BY & DATE CBIXLER 98/01/13						
1 PLACE ±0.N±A		±.	CAD FILENAME S73942X2.DGN		MATERIAL NO. SEE CHART		DRAWING NO. SD-73942-001		SHEET NO. 2		
ANGULAR: ±		°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						

Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9