

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0739423000](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Open End, 144 Circuits

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

Agency Certification

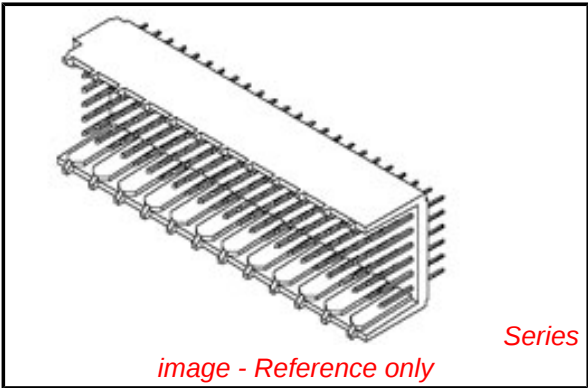
CSA LR19980
UL E29179

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) 144
Circuits (maximum) 144
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 24
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



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
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
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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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This document was generated on 05/14/2010

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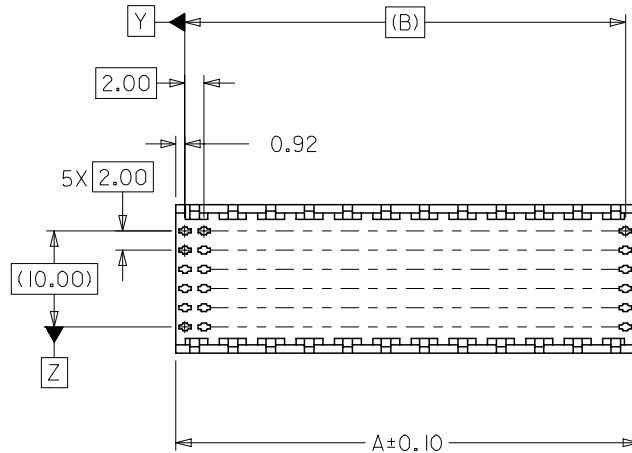
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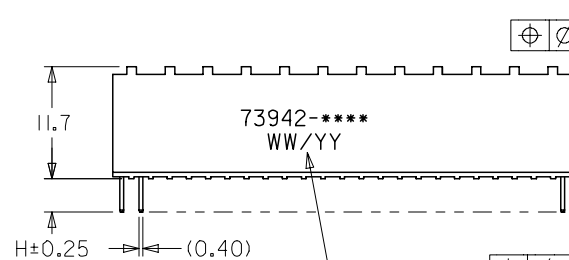
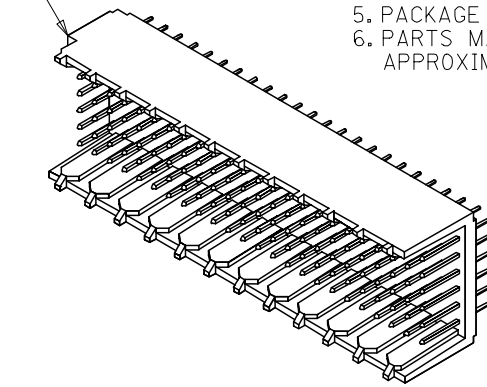
73942

NOTES:

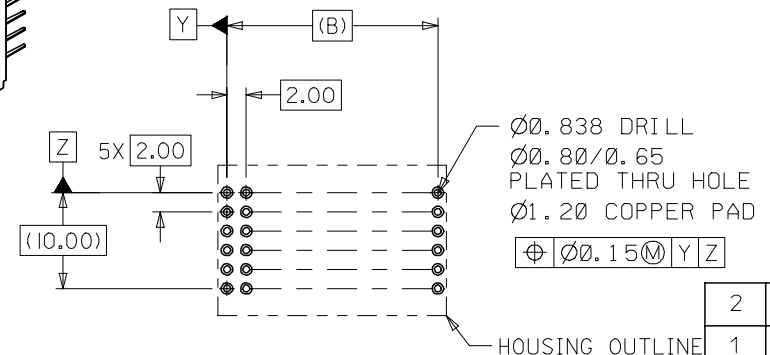
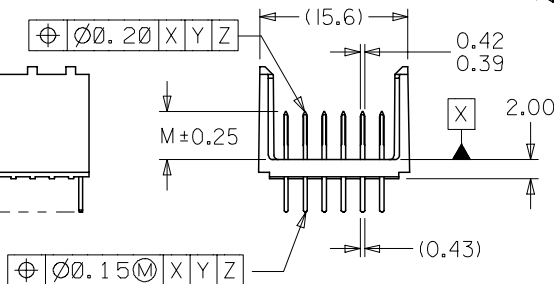
1. MATERIALS: HOUSING--LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94V-0, COLOR: BLACK,
TERMINAL: PHOSPHOR BRONZE.
2. FINISH: 0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA;
2.50 MICROMETERS MINIMUM SELECTIVE TIN (Sn) IN TAIL AREA;
NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFORMS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



LOCATING NOTCH



SEE NOTE 6



Ø0.838 DRILL
Ø0.80/Ø.65
PLATED THRU HOLE
Ø1.20 COPPER PAD
Ø0.15 (M) Y Z

PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN.

2	A
1	G
SHT	REV

MODIFY FINISH NOTE EC NO: UCP2007-2259 DRAWN:MSI BARRA 2007/03/13 CHKD:BBARKER 2007/03/21 APPR:SMILLER 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			
REV	G	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm		INCH		DRAWN BY JBINGHAM		DATE 1998/01/13		TITLE SALES ASSY HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION MOLEX MOLEX INCORPORATED	
			4 PLACES ± ---		± ---		CHECKED BY		DATE			
			3 PLACES ± ---		± ---		SREED		1998/01/13			
			2 PLACES ± 0.05		± ---		APPROVED BY		DATE			
		1 PLACE ± 0.10		± ---		CBIXLER		1998/01/13		DOCUMENT NO.		
		ANGULAR ±1/2°		MATERIAL NO.				SHEET NO.				
				SEE CHART				SD-73942-001				
				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 CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE --:--	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
					DRAWN BY & DATE JBINGHAM 98/01/13			TITLE: SALES ASSY, HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION		MATERIAL NO. DRAWING NO. SHEET NO.	2
					CHECKED BY & DATE SREED 98/01/13			MOLEX INCORPORATED			
					APPROVED BY & DATE CBIXLER 98/01/13			SEE CHART SD-73942-001			
					1 PLACE ±0. N/A ±.			CAD FILENAME S73942X2.DGN			
		4 PLACES ±0. ±.									
		3 PLACES ±0. ±.									
		2 PLACES ±0. N/A ±.									
		1 PLACE ±0. N/A ±.									
		ANGULAR: ± °									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Тестирование поставляемой продукции.
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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru