

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0749920010

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Pressfit Tail, Double End, 72 Circuits

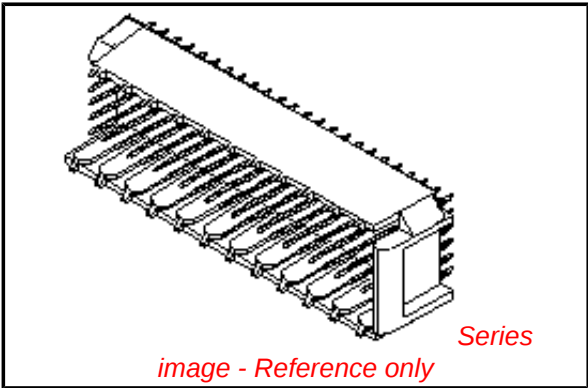
Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-73670-9999 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	74993
Application	Backplane, Mezzanine
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A
Physical	
Circuits (Loaded)	72
Circuits (maximum)	72
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	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)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In, 0.188 In
PCB Thickness Recommended (mm)	1.60 mm, 4.80 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)	15
Plating min: Termination (µm)	0.375
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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

[74993Series](#)

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

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	75
Shield Type	N/A
Shielded	No
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers

Application Specification	AS-73642-9998
Packaging Specification	PK-70873-0818
Product Specification	PS-73670-9999
Sales Drawing	SD-74992-001

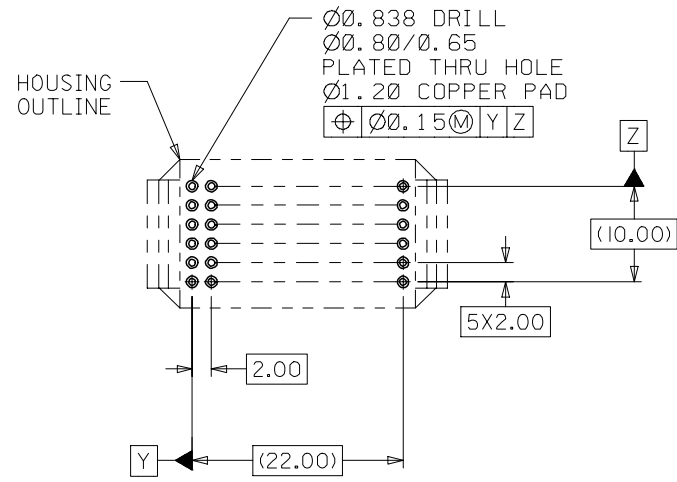
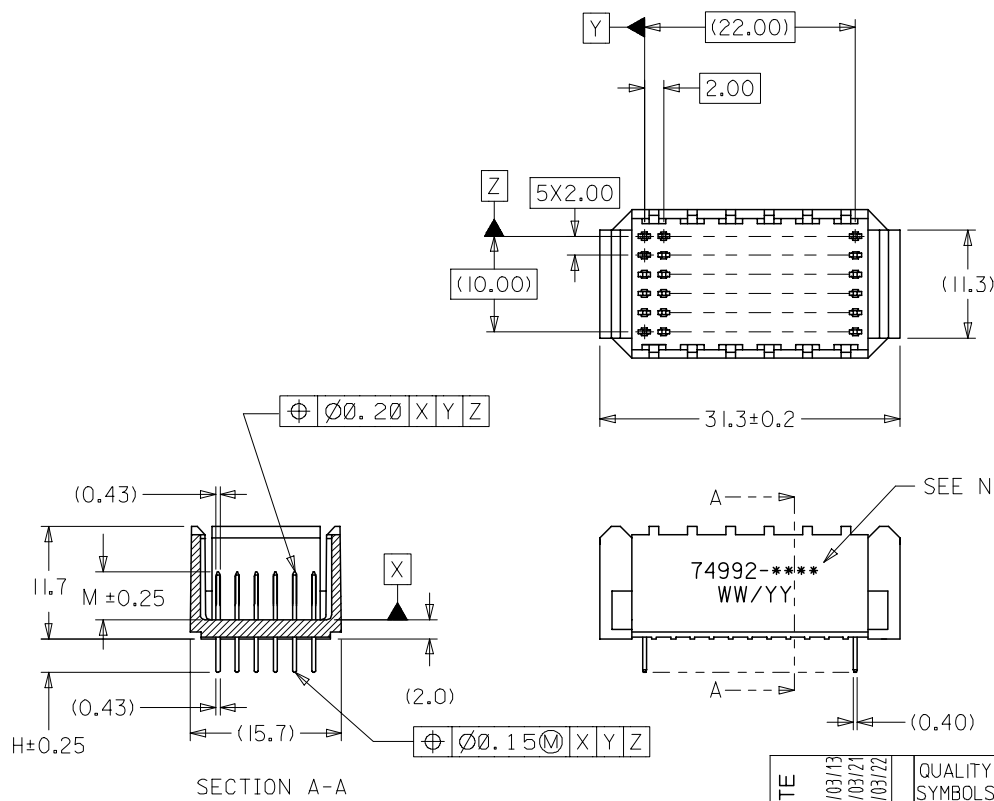
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NOTES:

1. MATERIALS: HOUSING--LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK, TERMINAL: PHOSPHOR BRONZE.
2. FINISH: SEE SHEET 2.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATIONS PS-73670-9999 AND PS-73780-999.
4. PACKAGE PER PK-70873-0818 OR PK-70873-0868.
5. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE

2	C
1	C
SHT	REV

MODIFY FINISH NOTE EC NO: UCP2007-2259 DRWN:MSI BARRA 2007/03/13 CHKD:BBARKER 2007/03/21 APPR:SMILLER 2007/03/22	DESCRIPTION	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	DATE	TITLE SALES ASSY HDM BACKPLANE DOUBLE END WALL OPTION 72 POSITION							
			4 PLACES	± ---	± ---	JB INGHAM						2001/10/08		
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED						
					2 PLACES	± 0.05	± ---						SREED	2001/10/08
					1 PLACE	± 0.10	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-74992-001				
					ANGULAR ±1/2°		CBIXLER	2001/10/08						
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		SHEET NO. 1 OF 1					
							SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
C	REV													

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74992

FINISH:

GOLD FLASH:

0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA

0.05 MICROMETERS MINIMUM GOLD FLASH OVERALL

NICKEL (Ni) UNDERPLATE OVERALL.

TIN:

0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA

2.50 MICROMETERS MINIMUM SELECTIVE TIN (Sn) IN TAIL AREA

NICKEL (Ni) UNDERPLATE OVERALL.

TIN/LEAD:

0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA

0.38 MICROMETERS MINIMUM SELECTIVE TIN/LEAD (Sn/Pb) IN TAIL AREA

NICKEL (Ni) UNDERPLATE OVERALL.

MATERIAL NUMBER ASSIGNMENT

CONSULT FACTORY FOR AVAILABLE COMBINATIONS

74992-* * * *

NUMBER	TAIL STYLE
0	PRESSFIT
1	SOLDER
2	SINGLE-END MIDPLANE
3	DOUBLE-END MIDPLANE

NUMBER	DIM "H"
0	3.5
1	3.0
2	2.5
3	2.0
4	7.0
5	11.5

NUMBER	DIM "M"
0	5.0
1	5.5
2	6.0

NUMBER	TAIL PLATING
0	GOLD FLASH
1 SOLDERTAIL	TIN
1 PRESSFIT	TIN/LEAD

MODIFY FINISH EC NO: UCP2007-2259 2007/03/13 DRAWN:MSJ.BARRA 2007/03/21 CHKD:BBARKER APPR:SMILLER 2007/03/22	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY JB INGHAM	DATE 2001/10/08	TITLE SALES ASSY HDM BACKPLANE DOUBLE END WALL OPTION 72 POSITION		
			4 PLACES	± --- ± ---	CHECKED BY	DATE			
			3 PLACES	± --- ± ---	SREED	2001/10/08			
			2 PLACES	± --- ± ---	APPROVED BY	DATE			
			1 PLACE	± --- ± ---	CBIXLER	2001/10/08	MOLEX INCORPORATED		
ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-74992-001		2 OF 2			
C	REV	SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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

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