

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

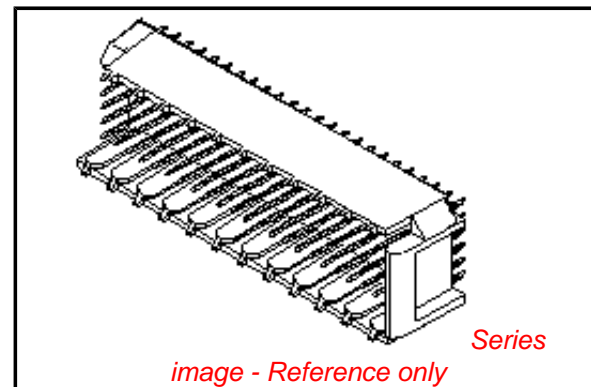
**Part Number:** [0749920010](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Pressfit Tail, Double End, 72 Circuits

**Documents:**

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

**General**

Product Family	Backplane Connectors
Series	<a href="#">74993</a>
Application	Backplane, Mezzanine
Component Type	PCB Header
Overview	<a href="#">hdm</a>
Product Name	HDM®
Style	N/A
<b>Physical</b>	
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](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**

[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	<a href="#">0621001400</a>
Insertion Signal	
Contact Tool	
Extraction Tool	<a href="#">0621001000</a>

**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

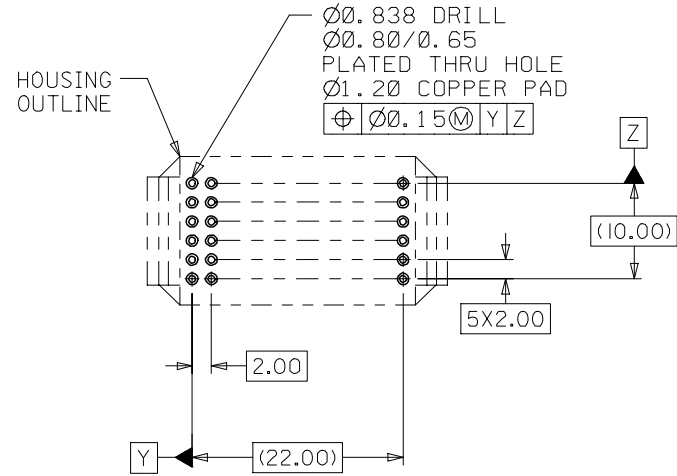
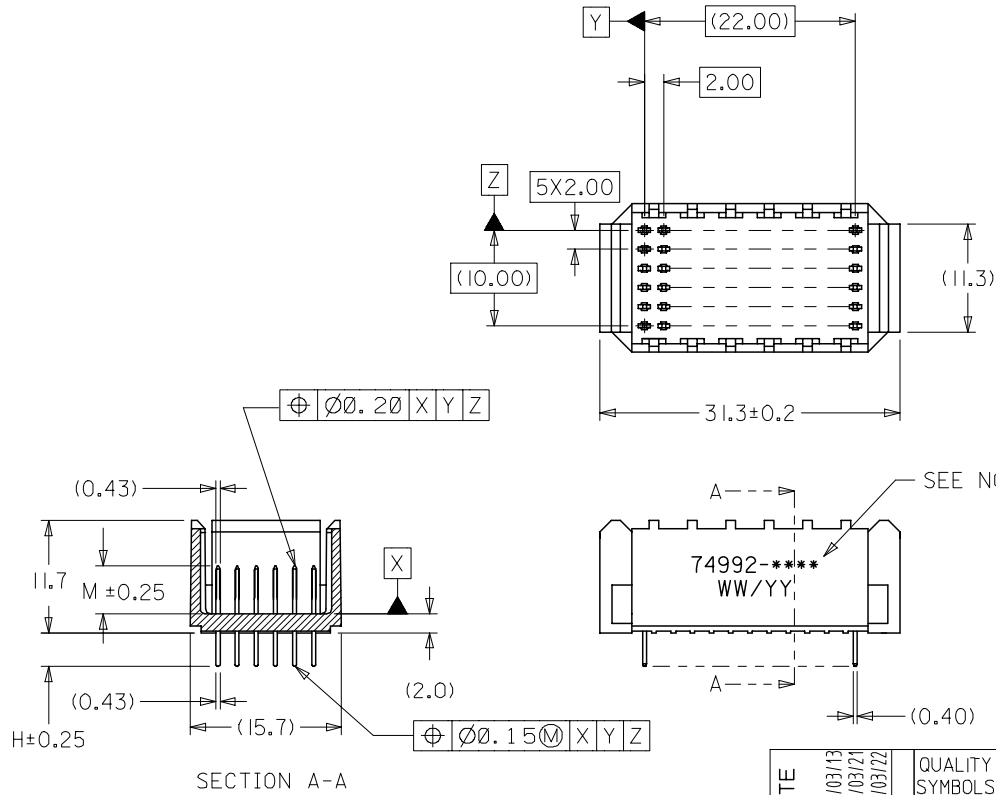
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**NOTES:**

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.



2	C
1	C
SHT	REV

PCB LAYOUT: COMPONENT SIDE

<b>MODIFY FINISH NOTE</b> 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		
		4 PLACES ± --- ± ---	DRAWN BY JB INGHAM	DATE 2001/10/08	TITLE SALES ASSY HDM BACKPLANE DOUBLE END WALL OPTION 72 POSITION					
		3 PLACES ± --- ± ---	CHECKED BY SREED	DATE 2001/10/08						
		2 PLACES ± 0.05 ± ---	APPROVED BY CBIXLER		DATE 2001/10/08	MOLEX INCORPORATED				
1 PLACE ± 0.10 ± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-74992-001	SHEET NO. 1 OF 1						
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								

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	TIN
2	TIN/LEAD

MODIFY FINISH EC NO: UCP2007-2259 DRWN:MSIBARRA 2007/03/13 CHKD:BBARKER 2007/03/21 APPR:SMILLER 2007/03/22	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm      INCH	DRAWN BY JB INGHAM	DATE 2001/10/08	TITLE SALES ASSY HDM BACKPLANE DOUBLE END WALL OPTION 72 POSITION				
		ANGULAR ±1/2°		CHECKED BY SREED	DATE 2001/10/08					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY CBIXLER	DATE 2001/10/08	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-74992-001		SHEET NO. 2 OF 2