

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0739431200](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Closed 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 [73943](#)  
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) 0.079 In  
PC Tail Length (mm) 2.00 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

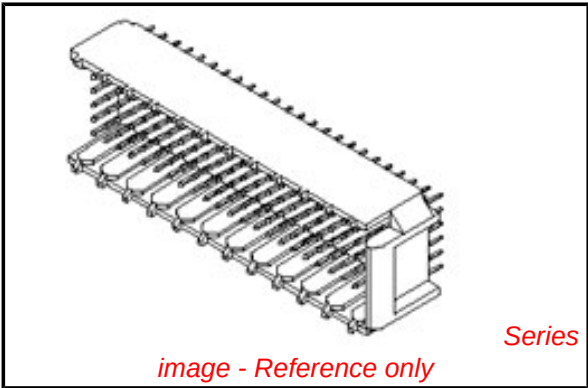


image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**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**  
[73943Series](#)

**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> |

|                              |              |
|------------------------------|--------------|
| 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-73943-001  |

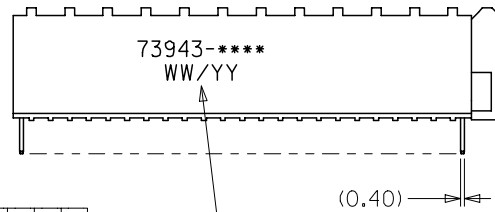
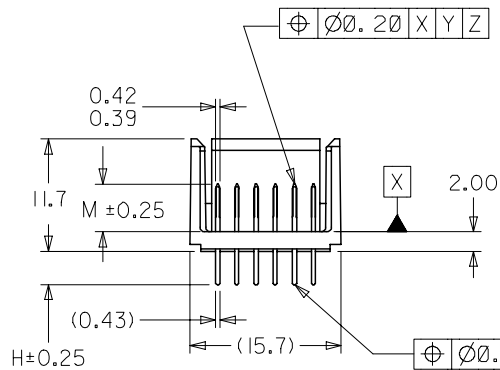
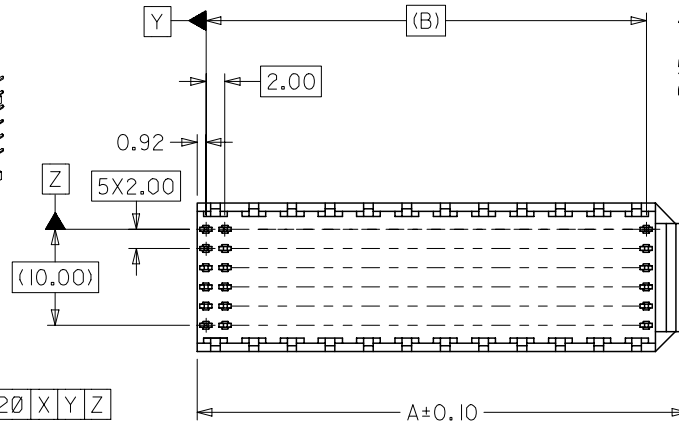
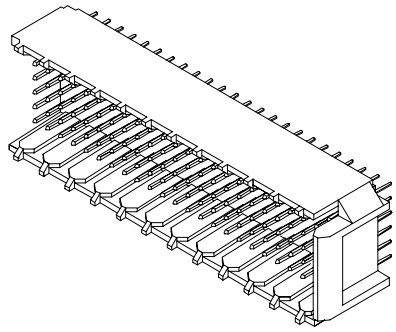
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

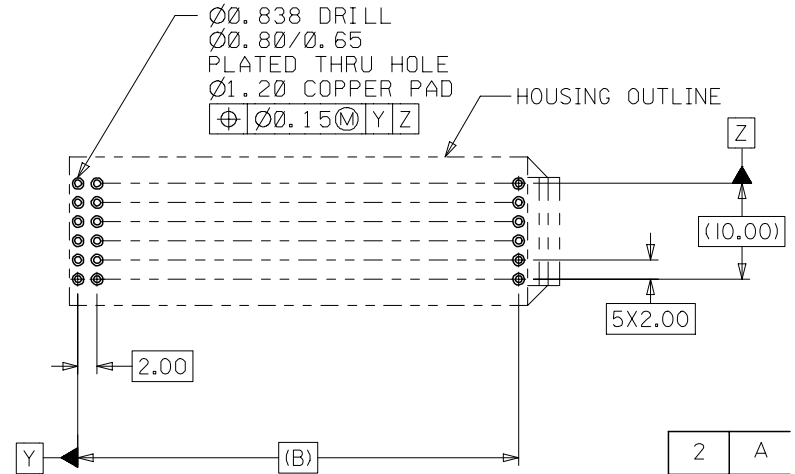
**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

**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.



SEE NOTE 6

PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 2.50 MIN

|     |     |
|-----|-----|
| 2   | A   |
| 1   | G   |
| SHT | REV |

|                                                                                                                                     |                                      |                                       |                                             |                                              |                                              |                           |                              |                           |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------|------------------------------|---------------------------|
| <b>MODIFY FINISH NOTE</b><br>EC NO: UCP2007-2259<br>IDRW:MSI/BARRA 2007/03/13<br>CHKD:BBARKER 2007/03/21<br>APPR:SMILLER 2007/03/22 | <b>QUALITY SYMBOLS</b><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                             | DIMENSION STYLE<br>MM ONLY                   |                                              | SCALE<br>2:1              | DESIGN UNITS<br>METRIC       | THIRD ANGLE<br>PROJECTION |
|                                                                                                                                     |                                      |                                       |                                             | mm                                           | INCH                                         | DRAWN BY<br>JB INGHAM     | DATE<br>1998/01/13           |                           |
|                                                                                                                                     |                                      |                                       |                                             | 4 PLACES                                     | ± ---                                        | CHECKED BY                | DATE                         |                           |
|                                                                                                                                     |                                      |                                       |                                             | 3 PLACES                                     | ± ---                                        | SREED                     | 1998/01/13                   |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                          | REV<br>G                             | DESCRIPTION<br>73943-****<br>WW/YY    | 1 PLACE<br>± 0.10<br>± ---<br>ANGULAR ±1/2° | 2 PLACES<br>± 0.05<br>± ---<br>ANGULAR ±1/2° | APPROVED BY<br>CBIXLER<br>DATE<br>1998/01/13 | MATERIAL NO.<br>SEE CHART | DOCUMENT NO.<br>SD-73943-001 | SHEET NO.<br>1 OF 2       |
|                                                                                                                                     |                                      |                                       |                                             |                                              |                                              |                           |                              |                           |
|                                                                                                                                     |                                      |                                       |                                             |                                              |                                              |                           |                              |                           |
|                                                                                                                                     |                                      |                                       |                                             |                                              |                                              |                           |                              |                           |

MATERIAL NUMBER ASSIGNMENT

73943-\* \* 0 0

| NUMBER | CIRCUIT SIZE | DIM "A" | DIM "B" | DIM "H" |
|--------|--------------|---------|---------|---------|
| 0      | 72           | 27.6    | 22.00   | 2.0     |
| 1      | 144          | 51.6    | 46.00   | 2.0     |
| 2      | 72           | 27.6    | 22.00   | 2.5     |
| 3      | 144          | 51.6    | 46.00   | 2.5     |
| 4      | 72           | 27.6    | 22.00   | 3.0     |
| 5      | 144          | 51.6    | 46.00   | 3.0     |
| 6      | 72           | 27.6    | 22.00   | 3.5     |
| 7      | 144          | 51.6    | 46.00   | 3.5     |

| NUMBER | DIM "M" |
|--------|---------|
| 0      | 5.0     |
| 1      | 5.5     |
| 2      | 6.0     |

|                                                                                                            |                    |                                      |                                                         |  |                                                                                                                                   |                                                                                      |                           |                                                                                                                      |                |           |
|------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|---------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| SEE SHEET 1<br>EC NO. U81577<br>DRWN:JBINGHAM 98/02/03<br>CHK: REED 98/02/03<br>APPR:CBIXLER 98/02/03<br>A | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)               |  | SCALE<br>NO:NE                                                                                                                    | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION | DIMENSIONS:<br><input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY | SHT            | REV       |
|                                                                                                            |                    |                                      |                                                         |  | DRAWN BY & DATE<br>JBINGHAM 98/01/13                                                                                              | TITLE: SALES ASS'Y, HDM BACKPLANE<br>END WALL OPTION<br>SOLDER TAIL VERSION          |                           |                                                                                                                      |                |           |
|                                                                                                            |                    |                                      |                                                         |  | CHECKED BY & DATE<br>SREED 98/01/13                                                                                               | APPROVED BY & DATE<br>CBIXLER 98/01/13                                               |                           |                                                                                                                      |                |           |
|                                                                                                            |                    |                                      |                                                         |  | CAD FILENAME<br>S73943X2.DGN                                                                                                      | MATERIAL NO.<br>SEE CHART                                                            |                           | DRAWING NO.<br>SD-73943-001                                                                                          | SHEET NO.<br>2 |           |
|                                                                                                            |                    |                                      | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                      |                           |                                                                                                                      |                | SIZE<br>B |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- 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](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)