

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0739430200

Status:

Active

Overview:

[hdm](#)

Description:

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

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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)

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)

0.079 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

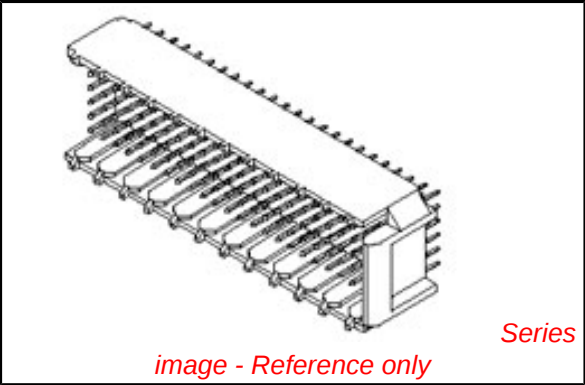
Yes

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-55°C to +105°C



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  |

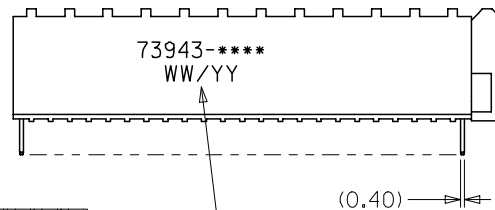
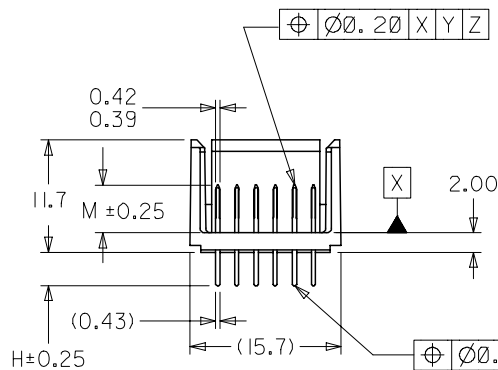
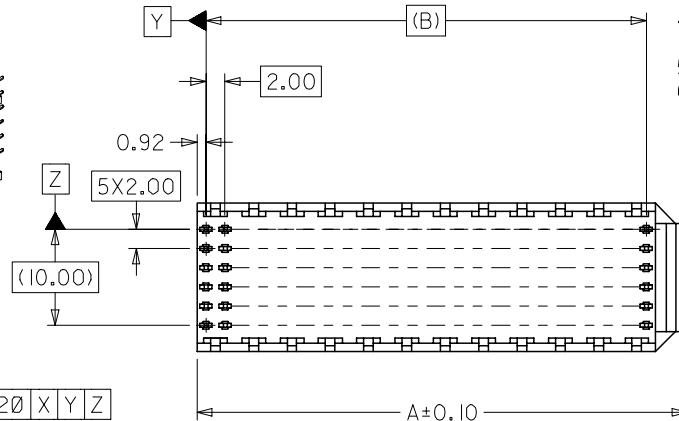
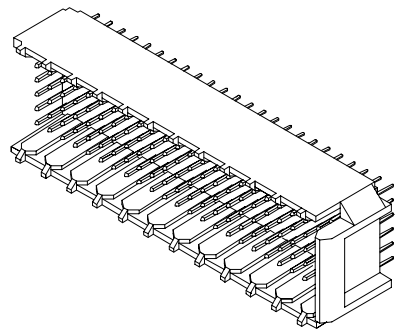
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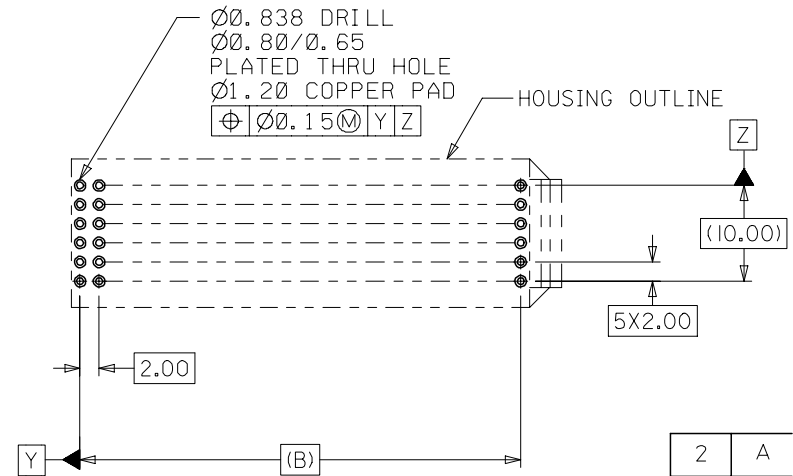
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**NOTES:**

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

MODIFY FINISH NOTE  
EC NO: UCP2007-2259  
IDRW:MSI/BARRA 2007/03/13  
CHKD:BBARKER 2007/03/21  
APPR:SMILLER 2007/03/22

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm    | INCH |
|----------|-------|------|
| 4 PLACES | ±---  | ±--- |
| 3 PLACES | ±---  | ±--- |
| 2 PLACES | ±0.05 | ±--- |
| 1 PLACE  | ±0.10 | ±--- |
| ANGULAR  | ±1/2° |      |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

| DRAWN BY     | DATE       |
|--------------|------------|
| JB INGHAM    | 1998/01/13 |
| CHECKED BY   | DATE       |
| SREED        | 1998/01/13 |
| APPROVED BY  | DATE       |
| CBIXLER      | 1998/01/13 |
| MATERIAL NO. | SEE CHART  |

SCALE  
2:1

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

TITLE  
SALES ASSY HDM BACKPLANE  
END WALL OPTION  
SOLDER TAIL VERSION

MOLEX INCORPORATED

DOCUMENT NO.  
SD-73943-001

SHEET NO.  
1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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                                                                                               | MOLEX INCORPORATED                                                                   |                           |                                                                                                                      |     |           |
|                                                                                                            |                    |                                      |                                                         |  | APPROVED BY & DATE<br>CBIXLER 98/01/13                                                                                            | MATERIAL NO. SEE CHART                                                               |                           |                                                                                                                      |     |           |
|                                                                                                            |                    |                                      |                                                         |  | CAD FILENAME<br>S73943X2.DGN                                                                                                      | DRAWING NO. SD-73943-001                                                             |                           | SHEET NO. 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 |

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

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