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**Part Number:** [0737691100](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, Press-Fit, Open End Option, 144 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-73780-999 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

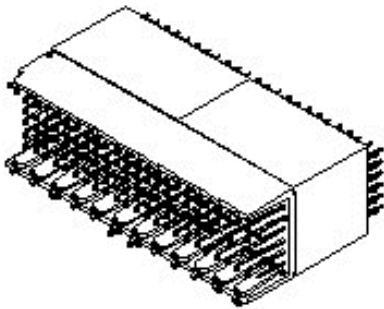
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [73769](#)  
Application Backplane, Mezzanine  
Component Type PCB Header  
Overview [hdm](#)  
Product Name HDM®  
Style N/A

**Physical**

Circuits (Loaded) 144  
Circuits (maximum) 144  
Color - Resin Black  
Durability (mating cycles max) 200  
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-Lead  
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) 0.138 In  
PC Tail Length (mm) 3.50 mm  
PCB Retention None  
PCB Thickness Recommended (in) 0.055 In  
PCB Thickness Recommended (mm) 1.40 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) 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



Series

image - Reference only

**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Halogen-Free**

**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**

[73769Series](#)

**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 #                  |
|-----------------------|----------------------------|
| Flat Rock Tooling for | <a href="#">0622013700</a> |
| Pneumatic Press       |                            |
| HDM® Backplane        | <a href="#">0622005703</a> |
| Insertion Head for    |                            |
| 144 Positions         |                            |

Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

Data Rate

1.0 Gbps

Real Signals (per 25mm)

72

Voltage - Maximum

100V AC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-0870

Product Specification

PS-73780-999

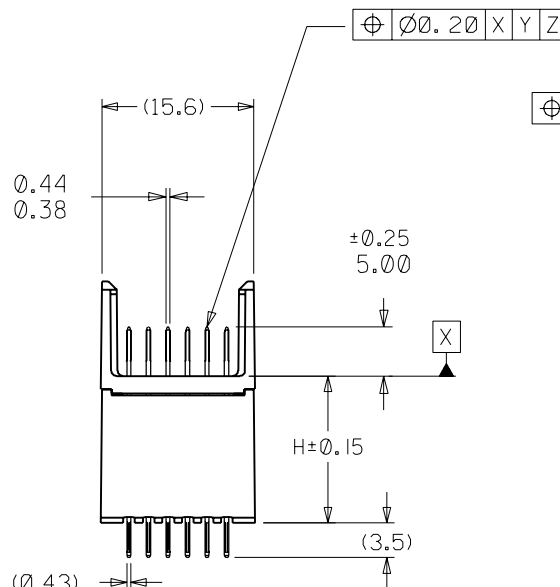
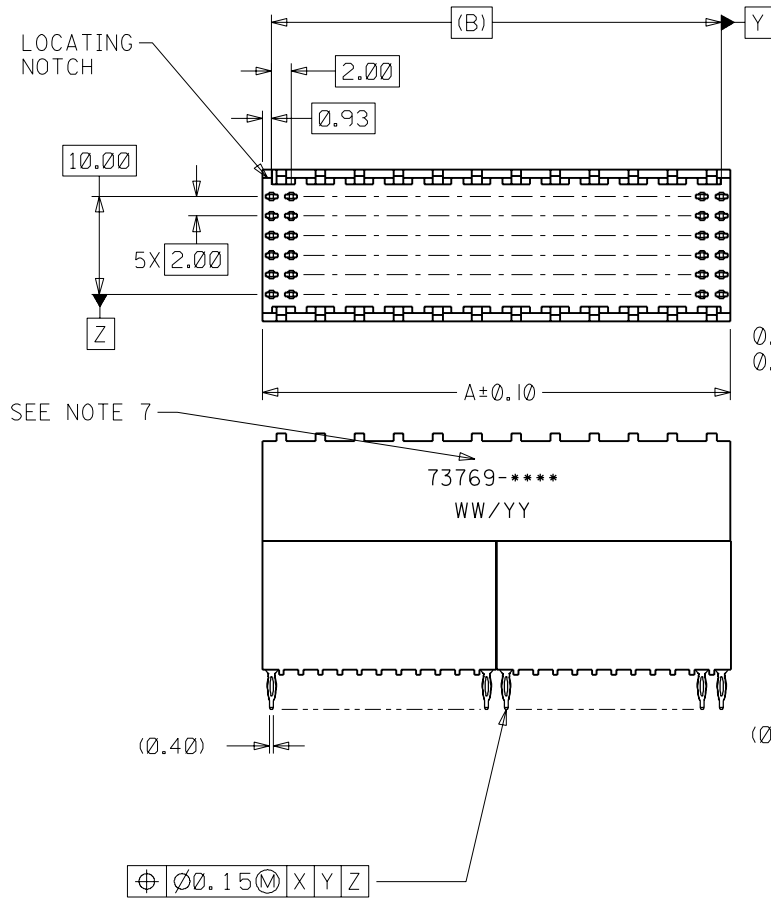
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- NOTES:
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK. TERMINAL-PHOSPHOR BRONZE
  2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
  3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
  4. DIMENSIONS ARE IN MILLIMETERS.
  5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM.
  6. PACKAGE PER PK-70873-0870, PK-70873-0871, OR PK-70873-0875.
  7. PARTS MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

| 4            | 3                               | 2       | 73769   |         |
|--------------|---------------------------------|---------|---------|---------|
| ASSEMBLY P/N | TOTAL NUMBER OF SIGNAL CONTACTS | DIM "A" | DIM "B" | DIM "H" |
| 73769-0100   | 72                              | 23.84   | 22.00   | 15.05   |
| 73769-0200   | 72                              | 23.84   | 22.00   | 6.05    |
| 73769-0300   | 72                              | 23.84   | 22.00   | 10.05   |
| 73769-1100   | 144                             | 47.84   | 46.00   | 15.05   |
| 73769-1200   | 144                             | 47.84   | 46.00   | 6.05    |
| 73769-1300   | 144                             | 47.84   | 46.00   | 10.05   |



| REVISED | EC NO.    | DRAWN BY | CHECKED BY | APPROVED BY | DESCRIPTION | REV | GENERAL TOLERANCES: (UNLESS SPECIFIED) |      | SCALE | DESIGN UNITS | DIMENSIONS: |      | SHT | REV |
|---------|-----------|----------|------------|-------------|-------------|-----|----------------------------------------|------|-------|--------------|-------------|------|-----|-----|
|         |           |          |            |             |             |     | mm                                     | INCH |       |              | mm          | INCH |     |     |
| 1       | 2000-1073 | JBINGHAM | 000508     | 000508      | MAJOR       |     | ±0.                                    | ±.   | 2:1   | mm           | mm          | mm   |     |     |
| 2       | 2000-1073 | JBINGHAM | 000508     | 000508      | CRITICAL    |     | ±0.05                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 3       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 4       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 5       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 6       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 7       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 8       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 9       | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 10      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 11      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 12      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 13      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 14      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 15      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 16      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 17      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 18      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 19      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 20      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 21      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 23      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 24      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 25      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 26      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 27      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 28      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 29      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 30      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 31      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 32      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 35      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 36      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 37      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 38      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 39      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 41      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 42      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 76      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 80      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 81      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 82      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 85      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 86      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 89      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 90      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 91      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
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| 95      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 96      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 97      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 98      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |
| 99      | 2000-1073 | JBINGHAM | 000508     | 000508      |             |     | ±0.10                                  | ±.   |       | mm           | mm          | mm   |     |     |

## 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

### Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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moschip.ru\_6

moschip.ru\_9