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**Part Number:** [0749934009](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Double End Wall Option, Solder Tail, 72 Circuits, Lead Free

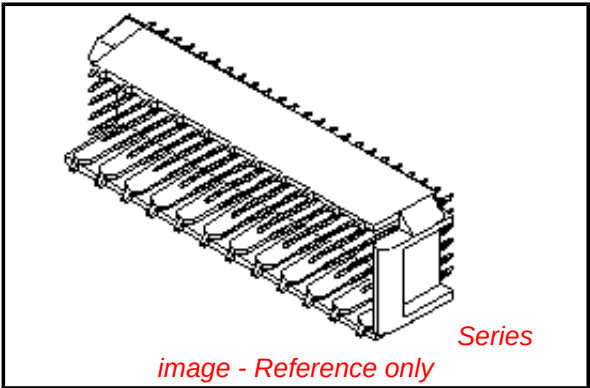
**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-73780-999 \(PDF\)](#)

**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                   |

**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) | 0.098 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                        |
| 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                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -55°C to +105°C                |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**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**  
[74993Series](#)

**Electrical**

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

**Material Info**

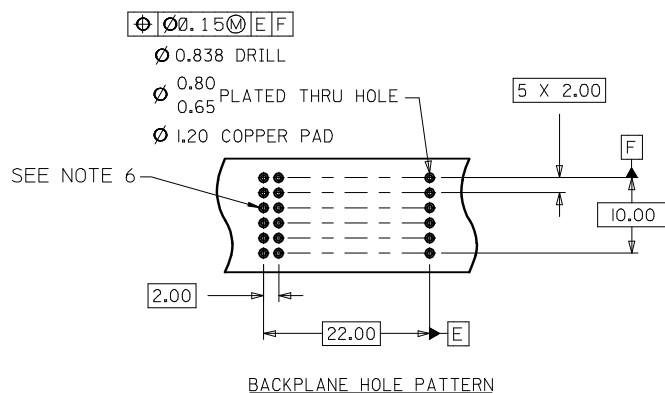
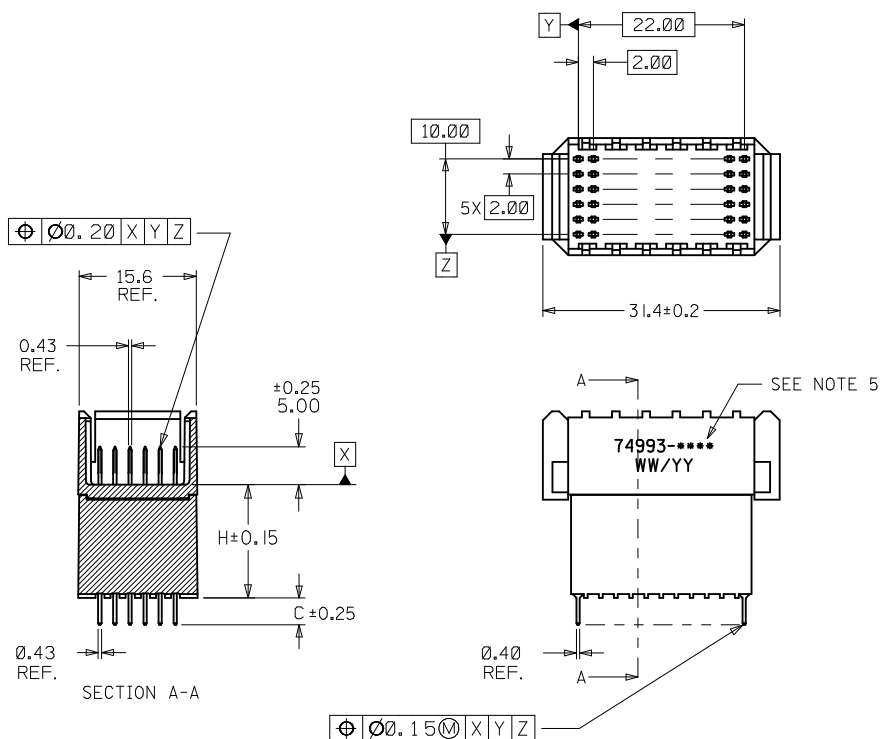
**Reference - Drawing Numbers**

|                           |               |
|---------------------------|---------------|
| Application Specification | AS-73642-9998 |
| Packaging Specification   | PK-70873-0875 |
| Product Specification     | PS-73780-999  |
| Sales Drawing             | SD-74993-002  |

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This document was generated on 05/17/2010

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# NOTES:

1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL-94V-0, COLOR: BLACK, TERMINAL - PHOSPHOR BRONZE.
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETER MINIMUM THICKNESS, SELECTIVE TIN (Sn) ON PCB TAILS, 0.38 MICROMETER MINIMUM THICKNESS, NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-9999.
4. PACKAGE PER PK-70873-0870, PK-70873-0871, OR PK-70873-0875.
5. PARTS MARKED WITH PART NUMBER AND DATE CODE ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.
6. HOLE SIZE SPECIFICATION IS FOR TIN/LEAD PLATED HOLES ONLY. FOR OTHER PLATING TYPES SEE MOLEX APPLICATION AS-73670-9996.
7. PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

| REVISE NOTES |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |  | SCALE                                                                                                                         | DESIGN UNITS | THIRD ANGLE PROJECTION |  |
|--------------|--|-----------------|--|---------------------------------------|--|-----------------|--|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--|
| REV          |  | DESCRIPTION     |  | mm                                    |  | INCH            |  | 2:1                                                                                                                           | METRIC       | MOLEX INCORPORATED     |  |
| B            |  | REV             |  | 4 PLACES                              |  | ± ---           |  | DRAWN BY                                                                                                                      |              | DATE                   |  |
|              |  |                 |  | 3 PLACES                              |  | ± ---           |  | MIBARRA                                                                                                                       |              | 2005/07/01             |  |
|              |  |                 |  | 2 PLACES                              |  | ± ---           |  | CHECKED BY                                                                                                                    |              | DATE                   |  |
|              |  |                 |  | 1 PLACE                               |  | ± ---           |  | BSMART                                                                                                                        |              | 2005/07/01             |  |
|              |  |                 |  | ANGULAR                               |  | ±1/2°           |  | APPROVED BY                                                                                                                   |              | DATE                   |  |
|              |  |                 |  |                                       |  |                 |  | SMILLER                                                                                                                       |              | 2005/07/01             |  |
|              |  |                 |  |                                       |  |                 |  | MATERIAL NO.                                                                                                                  |              | DOCUMENT NO.           |  |
|              |  |                 |  |                                       |  |                 |  | SEE TABLE                                                                                                                     |              | SD-74993-002           |  |
|              |  |                 |  |                                       |  |                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              | SHEET NO. 1 OF 2       |  |

MATERIAL NUMBER ASSIGNMENT

74993-\* \* 09

| NUMBER | CIRCUIT SIZE | DIM "C" | TAIL STYLE |
|--------|--------------|---------|------------|
| 0      | 72           | 2.0     | SOLDER     |
| 1      | 72           | 2.5     | SOLDER     |
| 2      | 72           | 3.0     | SOLDER     |
| 3      | 72           | 3.5     | SOLDER     |
| 4      | 72           | 3.5     | PRESSFIT   |

| NUMBER | DIM "H" |
|--------|---------|
| 0      | 6.05    |
| 1      | 10.05   |
| 2      | 15.05   |

CONVERT FROM ME10  
EC NO: UCP2009-2054  
DRWNSDANIELLEY 2009/07/08  
CHKDBSMART 2009/07/09  
APPR:SMILLER 2009/07/09

REV  
B

QUALITY SYMBOLS  
▽=0  
▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- + ---  
3 PLACES ± --- ± ---  
2 PLACES ± --- ± ---  
1 PLACE ± --- ± ---  
ANGULAR ±1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY  
DRAWN BY DATE  
MIBARRA 2005/07/01  
CHECKED BY DATE  
BSMART 2005/07/01  
APPROVED BY DATE  
SMILLER 2005/07/01  
MATERIAL NO.  
SEE TABLE  
SIZE C

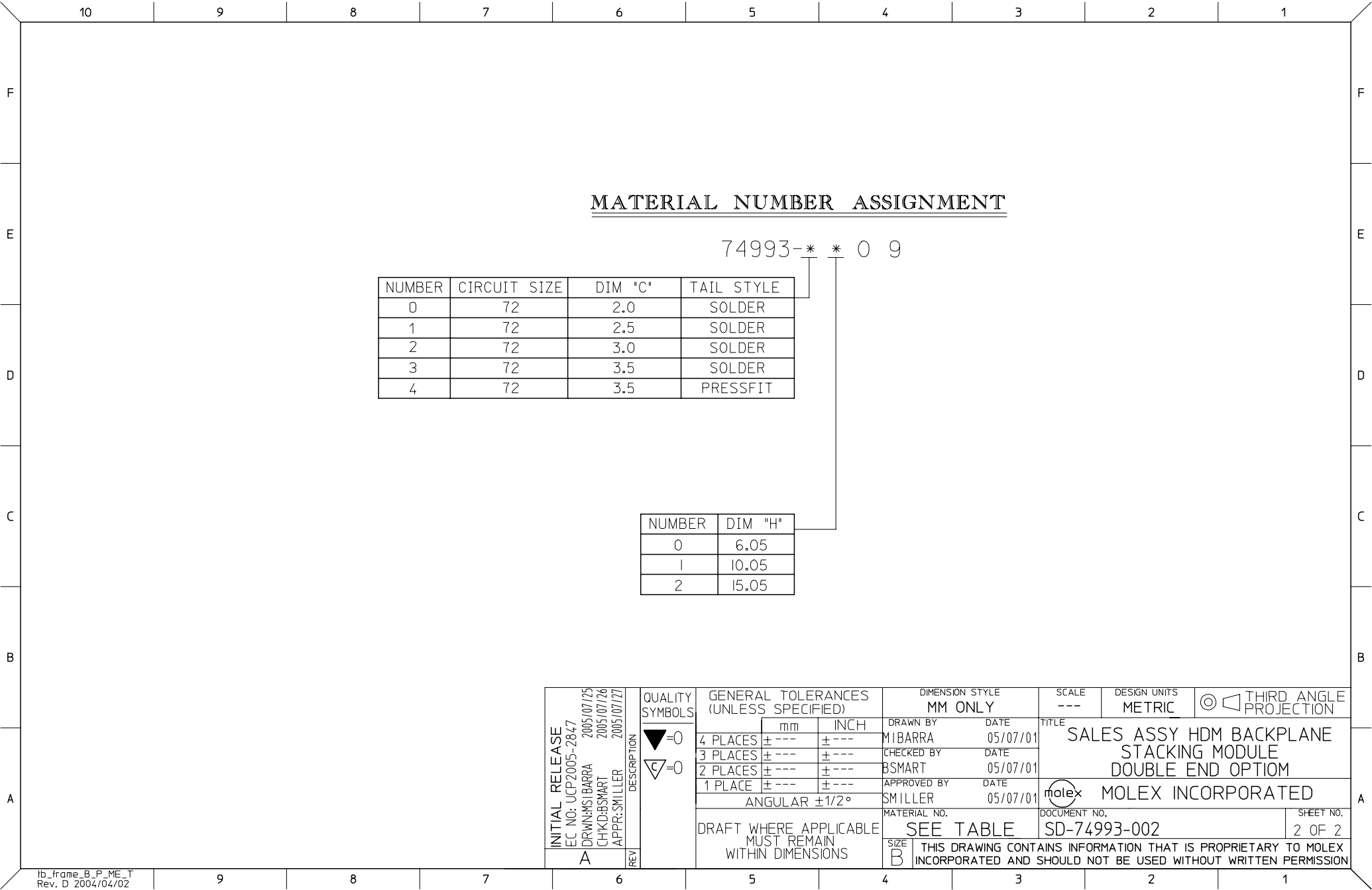
SCALE  
DESIGN UNITS  
METRIC  
THIRD ANGLE PROJECTION  
TITLE  
SALES ASSY HDM BACKPLANE  
STACKING MOD. LEAD FREE  
DOUBLE END WALL OPTION  
DOCUMENT NO.  
SD-74993-002  
SHEET NO.  
2 OF 2

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1b\_frame\_C\_P\_AM\_T  
Rev. E 2006/04/15

121110987654321

121110987654321



MATERIAL NUMBER ASSIGNMENT

74993-\* \* 0 9

| NUMBER | CIRCUIT SIZE | DIM "C" | TAIL STYLE |
|--------|--------------|---------|------------|
| 0      | 72           | 2.0     | SOLDER     |
| 1      | 72           | 2.5     | SOLDER     |
| 2      | 72           | 3.0     | SOLDER     |
| 3      | 72           | 3.5     | SOLDER     |
| 4      | 72           | 3.5     | PRESSFIT   |

| NUMBER | DIM "H" |
|--------|---------|
| 0      | 6.05    |
| 1      | 10.05   |
| 2      | 15.05   |

|                                                                                                                                |                               |                                                            |  |                            |                                                                                                                                  |                                                                                                 |                        |                        |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------|--|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------|------------------------|
| INITIAL RELEASE<br>EC NO: UCP2005-2847<br>DRWN: MIBARRA 2005/07/25<br>CHKD: BSMART 2005/07/26<br>APPR: SMILLER 2005/07/27<br>A | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>---                                                                                    | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |
|                                                                                                                                |                               |                                                            |  | DRAWN BY<br>MIBARRA        | DATE<br>05/07/01                                                                                                                 | TITLE<br>SALES ASSY HDM BACKPLANE<br>STACKING MODULE<br>DOUBLE END OPTION<br>MOLEX INCORPORATED |                        |                        |
|                                                                                                                                |                               |                                                            |  | CHECKED BY<br>BSMART       | DATE<br>05/07/01                                                                                                                 |                                                                                                 |                        |                        |
|                                                                                                                                |                               |                                                            |  | APPROVED BY<br>SMILLER     | DATE<br>05/07/01                                                                                                                 |                                                                                                 |                        |                        |
|                                                                                                                                |                               |                                                            |  | MATERIAL NO.<br>SEE TABLE  |                                                                                                                                  |                                                                                                 |                        |                        |
|                                                                                                                                |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>B                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                 |                        |                        |

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### Офис по работе с юридическими лицами:

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