

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

**Part Number:** [0738101205](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Midplane Header, Vertical SMC, Press-Fit, Double End Option, Slide On Housing, 144 Circuits

**Documents:**

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

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [73810](#)  
Application Midplane  
Comments Polar/Guide Version  
Component Type PCB Header  
Overview [hdm](#)  
Product Name HDM®  
Style N/A

**Physical**

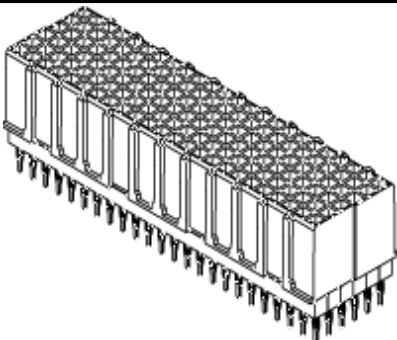
Circuits (Loaded) N/A  
Circuits (maximum) 144  
Color - Resin Black  
Durability (mating cycles max) 250  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Material - Metal Stainless Steel  
Material - Resin High Temperature Thermoplastic  
Number of Columns 24  
Number of Pairs Open Pin Field  
Number of Rows 6  
Orientation Vertical  
PC Tail Length (in) 0.000 In  
PC Tail Length (mm) 0.00 mm  
PCB Locator No  
PCB Retention None  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Polarized to PCB N/A  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -55°C to +105°C

**Electrical**

Current - Maximum per Contact 1A  
Data Rate 1.0 Gbps  
Real Signals (per 25mm) 0  
Voltage - Maximum 250V AC

**Solder Process Data**

Lead-free Process Capability Reflow Capable (SMT only)



*Series*  
*image - Reference only*

**EU RoHS**

**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free**  
**Status**

**China RoHS**



**Not Reviewed**

**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**

[73810Series](#)

**Mates With**

[73632](#) HDM PLUS® Board-to-Board Daughtercard Receptacle. [73780](#) HDM® Board-to-Board Daughtercard Receptacle

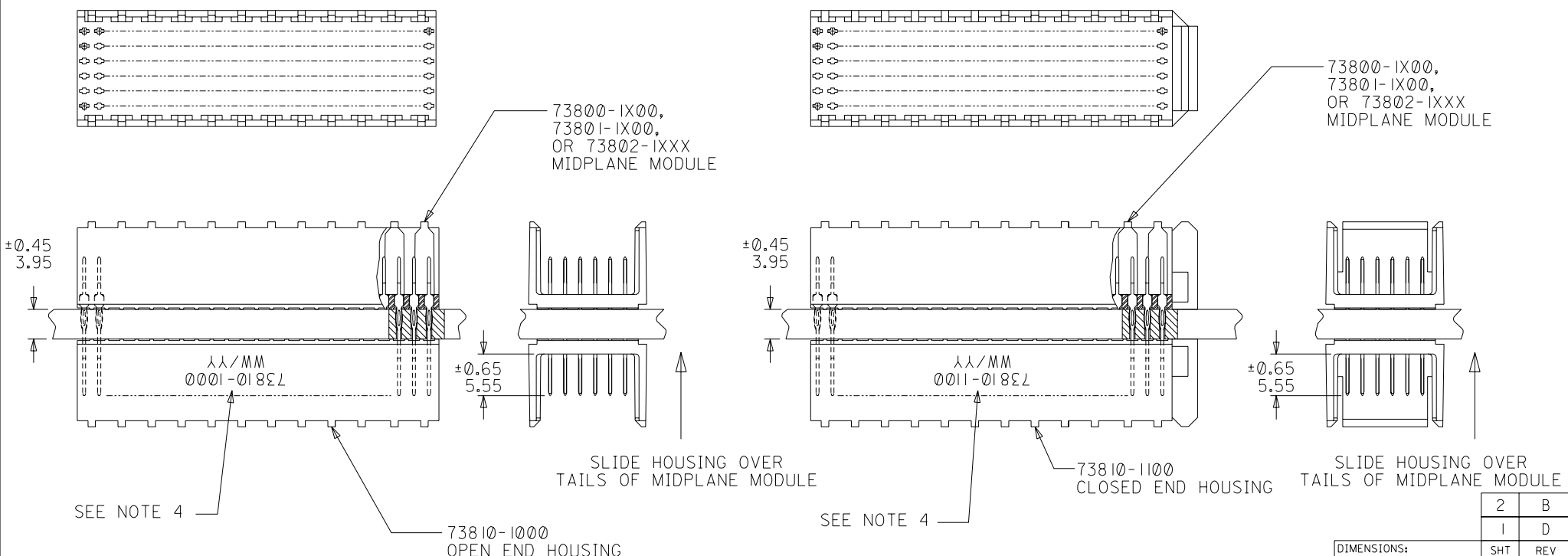
|                                                                    |              |
|--------------------------------------------------------------------|--------------|
| Process Temperature max. C                                         | 260          |
| <b>Material Info</b>                                               |              |
| <b>Reference - Drawing Numbers</b>                                 |              |
| Sales Drawing                                                      | SD-73810-001 |
| HDM and High Density Metric are trademarks of Amphenol Corporation |              |

This document was generated on 05/14/2010

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NOTES:

- 1. HOUSING MATERIALS: LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK.
- 2. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
- 3. SEE DRAWINGS SD-73800-001, SD-73801-001, AND SD-73802-001 FOR DIMENSIONAL INFORMATION.
- 4. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.
- 5. PARTS PACKAGED PER PK-70873-0818.



|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------|--|-------------------------------------------|--------|--------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|-----------------------|--|---------------------------|--|
| REVISED<br>EC NO. LCP2003-2260<br>DRWN: THOMAS 03/04/25<br>CHK: BINGHAM 03/04/25<br>APPR: REED 03/04/25<br>D | DESCRIPTION<br>MAJOR<br>= 0<br>CRITICAL<br>C = 0 | QUALITY SYMBOLS |  | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |        | SCALE<br>2 : 1                       | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH |  THIRD ANGLE<br>PROJECTION | <input type="checkbox"/> mm<br>INCH                                                                                               | <input type="checkbox"/> INCH<br>mm | <input checked="" type="checkbox"/> mm<br>ONLY | REVISE ON<br>CAD ONLY |  |                           |  |
|                                                                                                              |                                                  |                 |  | mm                                        | INCH   | DRAWN BY & DATE<br>JBINGHAM 97/06/19 |                                                                                      | TITLE: SALES ASSEMBLY, HDM<br>DOUBLE-END MIDPLANE, 144 POS.<br>SLIDE-ON HOUSING                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  | 4 PLACES                                  | ± 0.   | ±.                                   | CHECKED BY & DATE<br>SREED 97/06/19                                                  |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  | 3 PLACES                                  | ± 0.   | ±.                                   | APPROVED BY & DATE<br>CBIXLER 97/06/19                                               |                                                                                                                 | MOLEX INCORPORATED                                                                                                                |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  | 2 PLACES                                  | ± 0.05 | ±.                                   | CAD FILENAME<br>S73810X1.DGN                                                         |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  | MATERIAL NO.<br>SEE CHART |  |
|                                                                                                              |                                                  |                 |  | 1 PLACE                                   | ± 0.10 | ±.                                   | 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. |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  | ANGULAR: ± 1/2°                           |        | SIZE<br>B                            |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |
|                                                                                                              |                                                  |                 |  |                                           |        |                                      |                                                                                      |                                                                                                                 |                                                                                                                                   |                                     |                                                |                       |  |                           |  |

10 9 8 7 6 5 4 3 2 73810

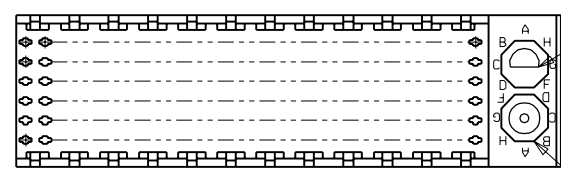
MATERIAL NUMBER ASSIGNMENT

73810- \* \* \* \*

I = 144-CIRCUIT

0 = OPEN END VERSION  
1 = CLOSED END VERSION  
2 = POLAR/GUIDE VERSION

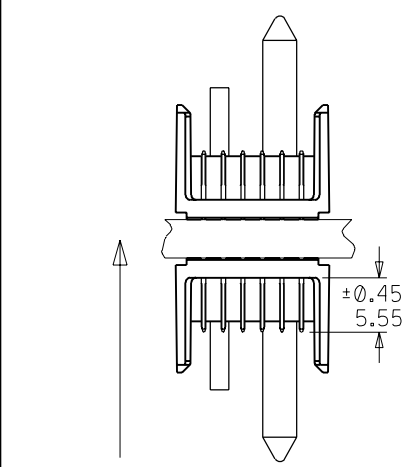
73800-1X00,  
73801-1X00,  
OR 73802-1XXX  
MIDPLANE MODULE



LOCATION B

LOCATION A

| NUMBER | GUIDE POST LOCATION | POLAR KEY POSITION |
|--------|---------------------|--------------------|
| 00     | N/A                 | N/A                |
| 01     | B                   | A                  |
| 02     | A                   | A                  |
| 03     | B                   | B                  |
| 04     | A                   | B                  |
| 05     | B                   | C                  |
| 06     | A                   | C                  |
| 07     | B                   | D                  |
| 08     | A                   | D                  |
| 09     | B                   | E                  |
| 10     | A                   | E                  |
| 11     | B                   | F                  |
| 12     | A                   | F                  |
| 13     | B                   | G                  |
| 14     | A                   | G                  |
| 15     | B                   | H                  |
| 16     | A                   | H                  |
| 17     | B                   | N/A                |
| 18     | A                   | N/A                |



SLIDE HOUSING OVER  
TAILS OF MIDPLANE MODULE

±0.65  
3.95

±0.45  
5.55

SEE NOTE 5

73810-12XX  
POLAR/GUIDE HOUSING

SEE SHEET 1  
EC NO. UDT2000-0443  
DRWN:JBINGHAM 99/11/04  
CHK: SREED 99/11/04  
APPR:CBIXLER 99/11/04  
REV B

DESCRIPTION  
MAJOR  
CRITICAL  
C=0

REV

GENERAL TOLERANCES:  
(UNLESS SPECIFIED)

|          |       |      |
|----------|-------|------|
|          | mm    | INCH |
| 4 PLACES | ±0.   | ±.   |
| 3 PLACES | ±0.   | ±.   |
| 2 PLACES | ±0.05 | ±.   |
| 1 PLACE  | ±0.10 | ±.   |

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST  
REMAIN WITHIN DIMENSIONS

SCALE  
2 : 1

DESIGN UNITS  
☒ mm ☐ INCH

DRAWN BY & DATE  
JBINGHAM 97/06/19

CHECKED BY & DATE  
SREED 97/06/19

APPROVED BY & DATE  
CBIXLER 97/06/19

CAD FILENAME  
S73810X2.DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
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DIMENSIONS:  
☐ mm ☐ INCH ☒ mm ONLY

SHT  
REV

REVISE ON  
CAD ONLY

TITLE: SALES ASSEMBLY, HDM  
DOUBLE-END MIDPLANE, 144 POS.  
SLIDE-ON HOUSING

MOLEX MOLEX INCORPORATED

MATERIAL NO.  
SEE CHART

DRAWING NO.  
SD-73810-001

SHEET NO.  
2

SIZE  
B

9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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