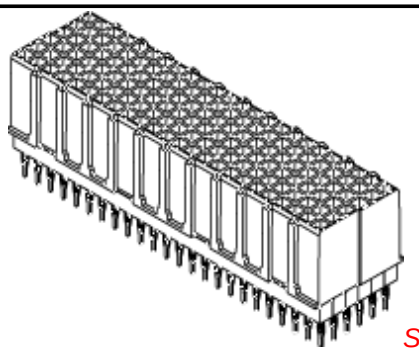
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0738101204
**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



*Series image - Reference only*

**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) |

**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
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 |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-73810-001 |

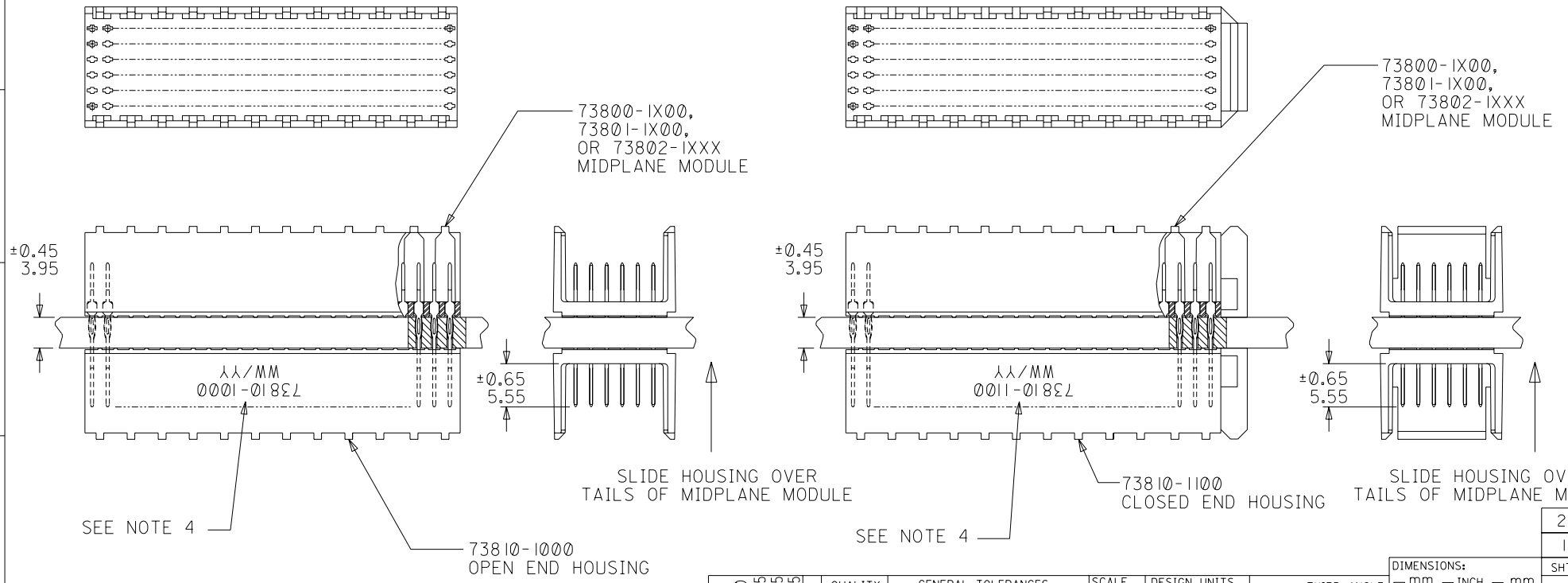
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

# 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.




| | |
|---|---|
| 2 | B |
| 1 | D |
| SHT | REV |

REVISE ON CAD ONLY

DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY

THIRD ANGLE PROJECTION

REVISED
EC NO. UCP2003-2260
DRWN: THOMAS 03/04/25
CH'K: BINGHAM 03/04/25
APPR: REED 03/04/25
DESCRIPTION

D
REV

QUALITY SYMBOLS
MAJOR ▼ =0
CRITICAL (C) =0

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

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

molex MOLEX INCORPORATED

| CAD FILENAME | MATERIAL NO. | DRAWING NO. | SHEET NO. |
|---|---|---|---|
| S73810X1.DGN | SEE CHART | SD-73810-001 | 1 OF 2 |

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

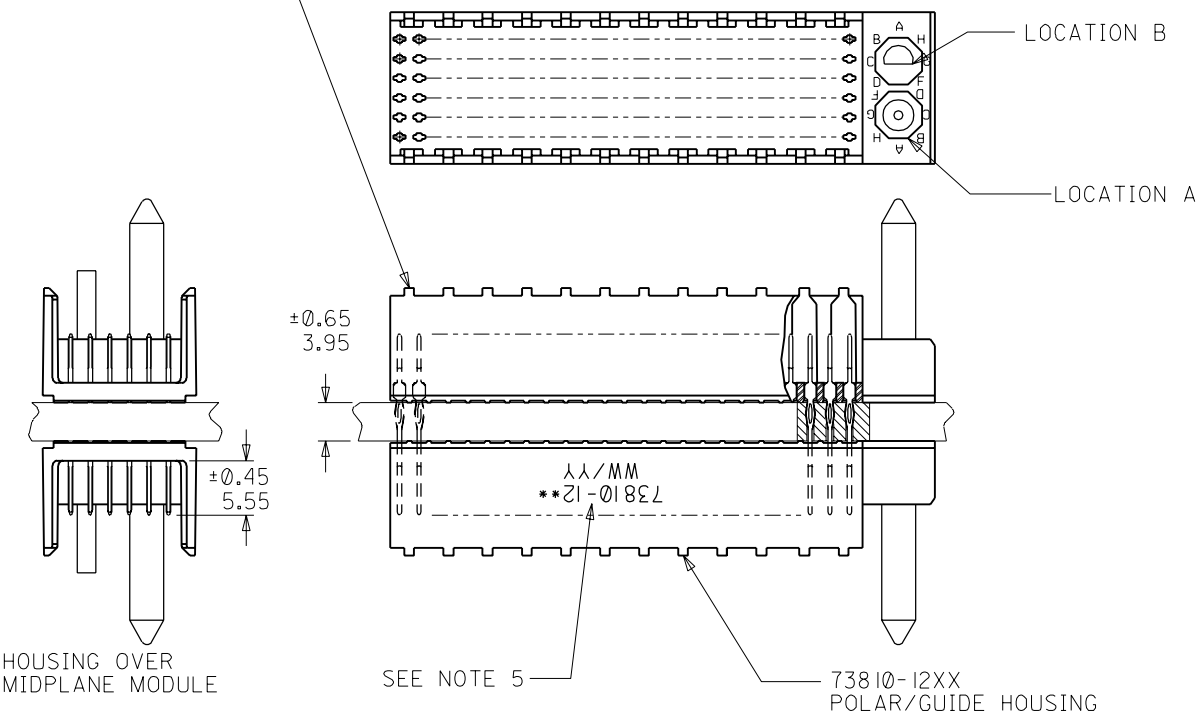
SIZE B

# MATERIAL NUMBER ASSIGNMENT

73810- * * * *

1 = 144-CIRCUIT

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




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

SEE SHEET 1
EC NO. UDT20000-0443
DRWN: JBINGHAM 99/11/04
CHK: SREED 99/11/04
APPR: CBIXLER 99/11/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
MAJOR ▼ = 0
CRITICAL (C) = 0

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
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT | REV
REVISE ON CAD ONLY

DRAWN BY & DATE JBINGHAM 97/06/19
CHECKED BY & DATE SREED 97/06/19
APPROVED BY & DATE CBIXLER 97/06/19

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

molex MOLEX INCORPORATED

CAD FILENAME S73810X2.DGN
MATERIAL NO. SEE CHART
DRAWING NO. SD-73810-001
SHEET NO. 2
SIZE B

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

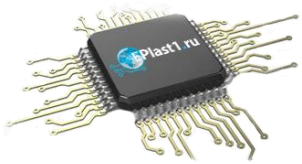
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- 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 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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