

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0738090208

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Midplane Header, Vertical, Press-Fit, Closed End, Guide Post A Location, D Polarization Key, 72 Circuits

Documents:

[Drawing \(PDF\)](#)

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

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Backplane Connectors

Series

[73809](#)

Application

Midplane

Component Type

Shroud Housing

Overview

[hdm](#)

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

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

12

Number of Pairs

Open Pin Field

Number of Rows

6

Orientation

Vertical

PCB Retention

None

Packaging Type

Tube

Pitch - Mating Interface (in)

0.079 In

Pitch - Mating Interface (mm)

2.00 mm

Stackable

Yes

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)

72

Voltage - Maximum

250V AC

Material Info

Reference - Drawing Numbers

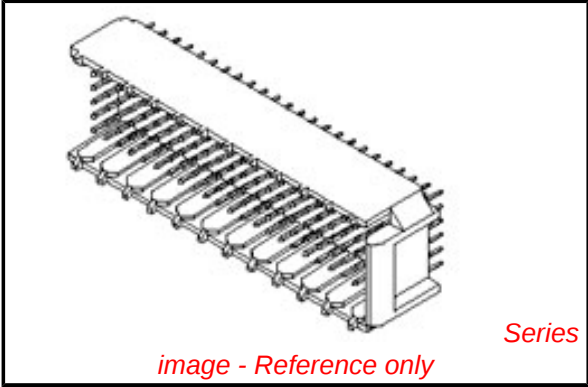
Packaging Specification

PK-70873-0818

Sales Drawing

SD-73809-001

HDM and High Density Metric are trademarks of Amphenol Corporation



EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

[73809Series](#)

Mates With

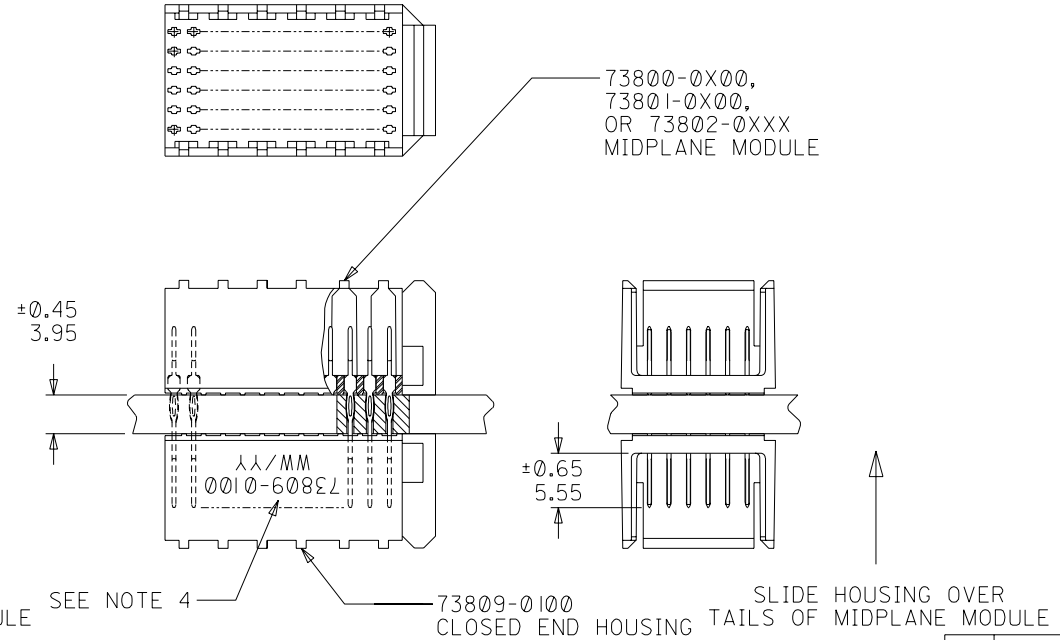
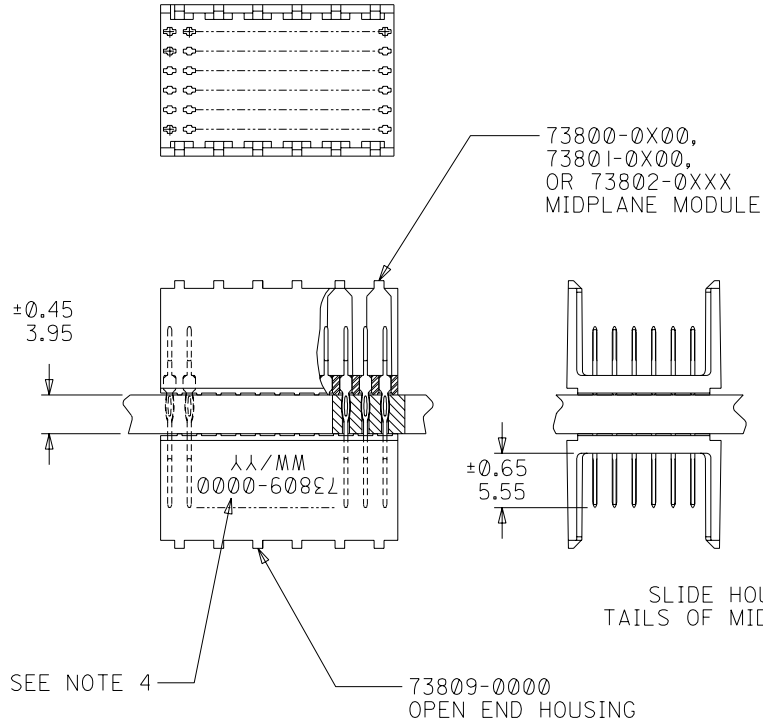
[73632](#) HDM PLUS® Board-to-Board Daughtercard Receptacle. [73780](#) HDM® Board-to-Board Daughtercard Receptacle

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
EC NO: UCP2003-2260
DRWN: THOMAS 03/04/25
CHK: BINGHAM 03/04/25
APPR: REED 03/04/25
D

DESCRIPTION
MAJOR
MINOR
CRITICAL
REV

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.05	±.
1 PLACE	±0.15	±.

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
S73809X1.DGN

TITLE: SALES ASSEMBLY, HDM
DOUBLE-END MIDPLANE, 72 POS.
SLIDE-ON HOUSING

MOLEX INCORPORATED

MATERIAL NO. SEE CHART

DRAWING NO. SD-73809-001

SHEET NO. 1 OF 2

SIZE B

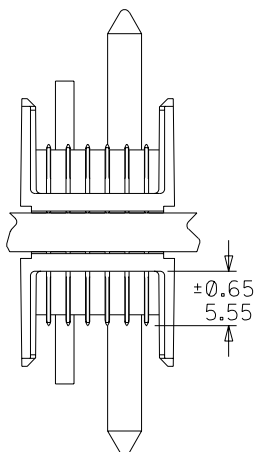
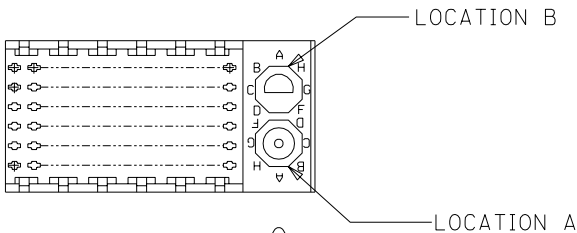
MATERIAL NUMBER ASSIGNMENT

73809- * * * *

Ø = 72-CIRCUIT

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

73800-ØXØØ,
73801-ØXØØ,
OR 73802-ØXXX
MIDPLANE MODULE



SLIDE HOUSING OVER
TAILS OF MIDPLANE MODULE

73809-02XX
POLAR/GUIDE HOUSING

SEE NOTE 5

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

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

MAJOR
=0
CRITICAL
=0

DESCRIPTION
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
S73809X2.DGN

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

DIMENSIONS:
☐ mm ☐ INCH ☒ mm ONLY

SHT
REV

REVISE ON
CAD ONLY

TITLE: SALES ASSEMBLY, HDM
DOUBLE-END MIDPLANE, 72 POS.
SLIDE-ON HOUSING

MOLEX MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-73809-001

SHEET NO.
2

SIZE
B

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

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