

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0739440005](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, SMC, Solder Tail, Guide Pin Option, 72 Circuits

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-73670-9999 \(PDF\)](#)

Agency Certification

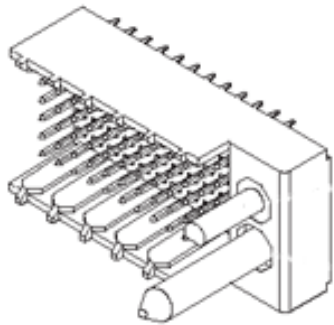
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73944](#)
Application Backplane
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

Physical

Circuits (Loaded) 72
Circuits (maximum) 72
Color - Resin Black, Natural
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 Phosphor Bronze, Stainless Steel
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) 0.079 In
PC Tail Length (mm) 2.00 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) 100
Plating min: Termination (µm) 2.5
Polarized to PCB No



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
[73944Series](#)

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 #
HDM® Backplane Insertion Signal	0621001400
Contact Tool	
Extraction Tool	0621001000

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

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

Packaging Specification	PK-70873-0818
Product Specification	PS-73670-9999
Sales Drawing	SD-73944-001

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

10

9

8

7

6

5

4

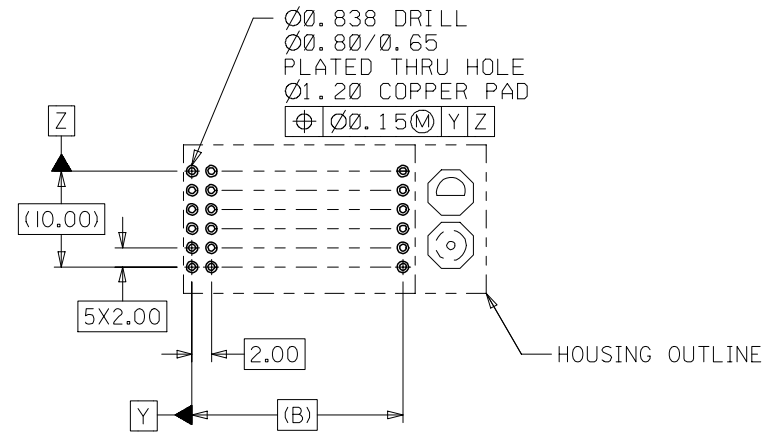
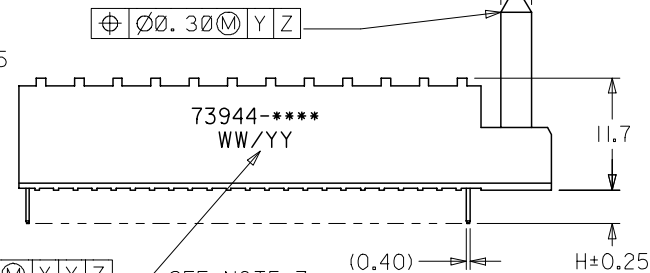
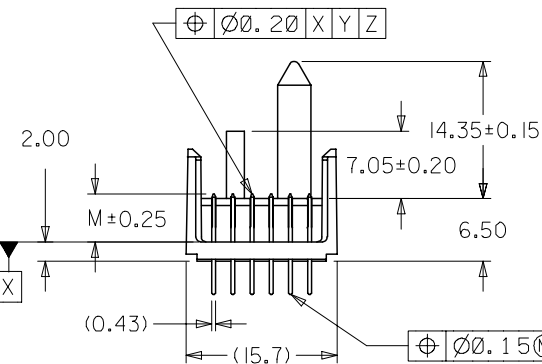
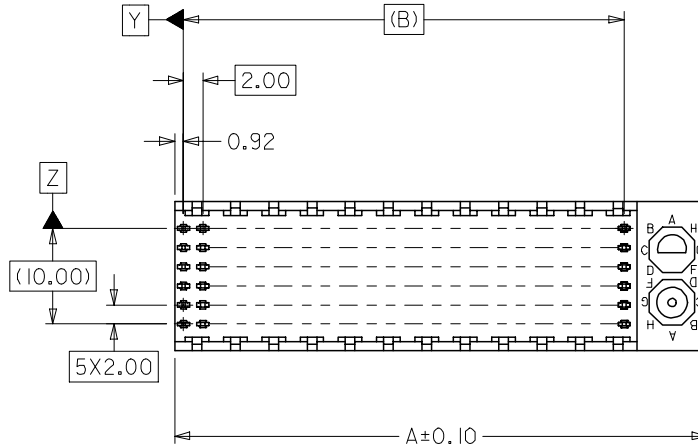
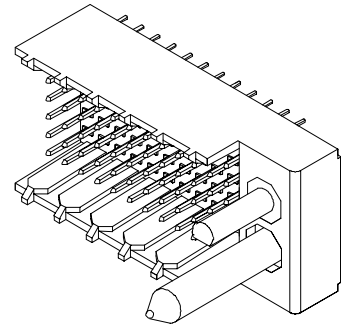
3

2

73944

NOTES:

1. MATERIALS: HOUSING--LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94V-0, COLOR: BLACK,
TERMINAL: PHOSPHOR BRONZE.
2. FINISH: 0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA
2.50 MICROMETERS MINIMUM SELECTIVE TIN (Sn) IN TAIL AREA
NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. SEE SHEET 2 FOR SPECIFIC MATERIAL NUMBERS.
6. PACKAGE PER PK-70873-0818.
7. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

2	A
1	G
SHT	REV

MODIFY FINISH NOTE
EC NO: UCP2007-2259
IDRW:MSI BARRA 2007/03/13
CHKD:BBARKER 2007/03/21
APPR:SMILLER 2007/03/22

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.10	± ---
ANGULAR	± 1/2°	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JB INGHAM	1998/01/14
CHECKED BY	DATE
SREED	1998/01/14
APPROVED BY	DATE
CBIXLER	1998/01/14
MATERIAL NO.	SEE CHART

SCALE
2:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
SALES ASSY HDM BACKPLANE
POLAR/GUIDE OPTION
SOLDER TAIL VERSION

MOLEX INCORPORATED

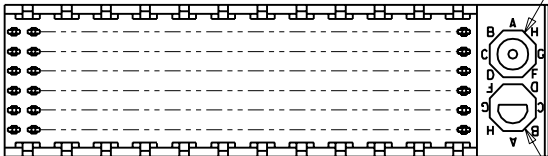
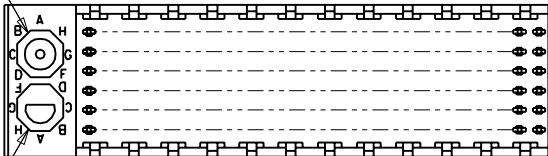
DOCUMENT NO.
SD-73944-001

SHEET NO.
1 OF 2

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

LOCATION A

LOCATION B



REF. MATERIAL NUMBER 73944-1009
GUIDE PIN IS IN LOCATION A
POLARIZING KEY IS IN LOCATION B, POSITION E

REF. MATERIAL NUMBER 73944-1008
GUIDE PIN IS IN LOCATION B
POLARIZING KEY IS IN LOCATION A, POSITION E

MATERIAL NUMBER ASSIGNMENT

73944- * * * *

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "H"
0	72	31.60	22.00	2.00
1	144	55.60	46.00	2.00
2	72	31.60	22.00	2.50
3	144	55.60	46.00	2.50
4	72	31.60	22.00	3.00
5	144	55.60	46.00	3.00
6	72	31.60	22.00	3.50
7	144	55.60	46.00	3.50

NUMBER	DIM "M"
0	5.00
1	5.50
2	6.00

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

SEE SHEET 1
EC No. U81577
DRWN: BINGHAM 98/02/03
CHK: REED 98/02/03
APPR: CBIXLER 98/02/03

MAJOR
CRITICAL

QUALITY SYMBOLS

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.N/A	±.
1 PLACE	±0.N/A	±.

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

SCALE
2 : 1

DESIGN UNITS
☒ mm ☐ INCH

DRAWN BY & DATE

JBINGHAM 98/01/14

CHECKED BY & DATE

SREED 98/01/14

APPROVED BY & DATE

CBIXLER 98/01/14

CAD FILENAME

S73944X2.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 ASSY, HDM BACKPLANE
POLAR/GUIDE OPTION
SOLDER TAIL VERSION

MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DRAWING NO. SD-73944-001
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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9