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Part Number: [0737711101](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Press-Fit, Guide Pin Option, 144 Circuits

Documents:

[3D Model](#) [Product Specification PS-73780-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

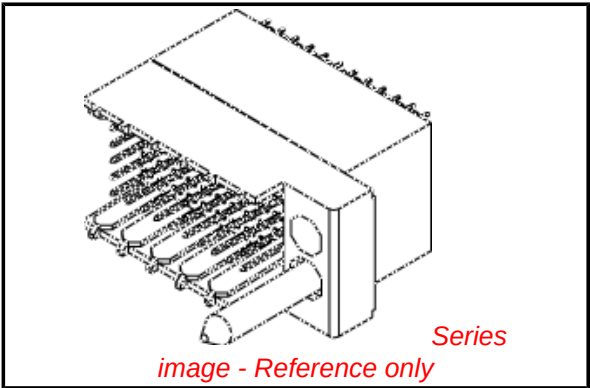
Product Family Backplane Connectors
Series [73771](#)
Application Midplane
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

Physical

Circuits (Loaded) 144
Circuits (maximum) 144
Color - Resin Black
Durability (mating cycles max) 250
Flammability 94V-0
Keying to Mating Part Yes
Material - Metal Phosphor Bronze, Stainless Steel
Material - Plating Mating Gold
Material - Plating Termination Tin-Lead
Material - Resin High Temperature Thermoplastic
Number of Columns 24
Number of Pairs Open Pin Field
Number of Rows 6
Orientation Vertical
PCB Retention Yes
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
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
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1A
Data Rate 1.0 Gbps



EU RoHS

RoHS Compliant by Exemption
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

[73771Series](#)

Mates With

[73632](#) HDM PLUS® Board-to-Board Daughterboard 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 Contact Tool	0621001400
HDM® Backplane Insertion Head for 144 Positions	0622005703
Extraction Tool	0621001000

Voltage - Maximum250V AC

Material Info

Reference - Drawing Numbers

Packaging SpecificationPK-70873-0870

Product SpecificationPS-73780-999

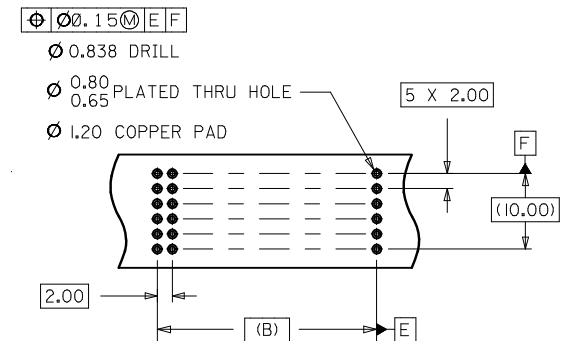
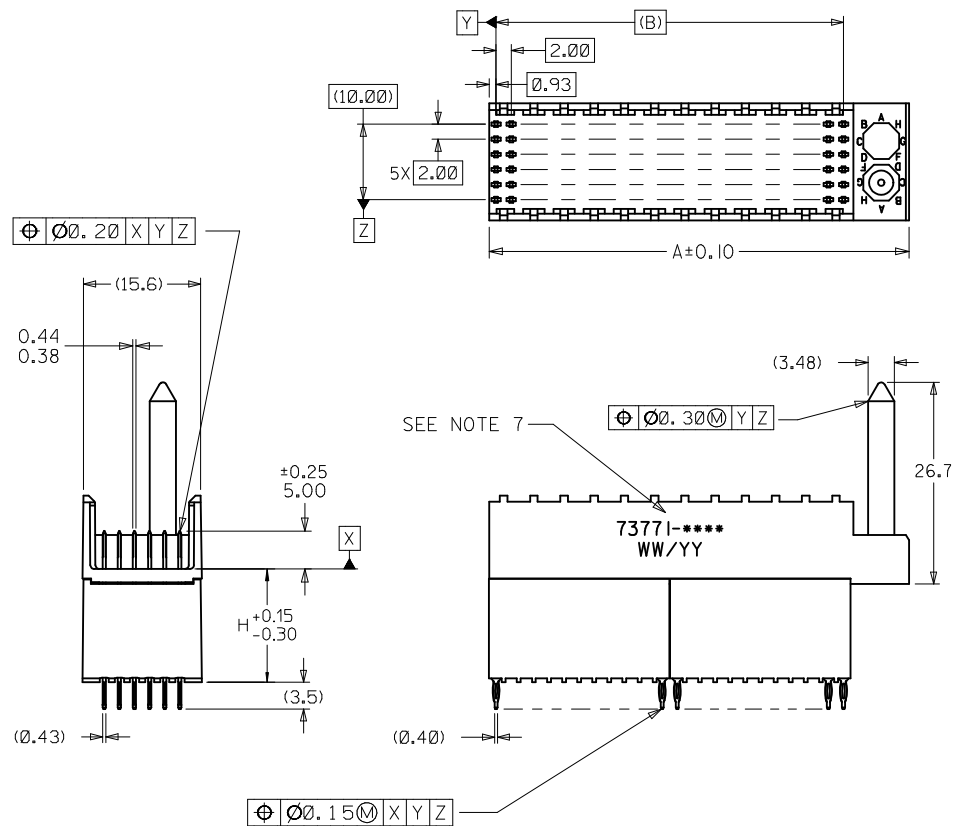
Sales DrawingSD-73771-001

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This document was generated on 05/14/2010

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13	12	11	10	9	8	7	6	5	4	3	2	1
ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"								
73771-01**	72	31.6	22.00	15.05								
73771-02**	72	31.6	22.00	6.05								
73771-03**	72	31.6	22.00	10.05								
73771-11**	144	55.6	46.00	15.05								
73771-12**	144	55.6	46.00	6.05								
73771-13**	144	55.6	46.00	10.05								

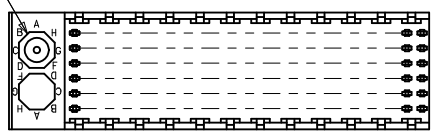


NOTES:

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, 0.00076 mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. THIS PART CONFORMS TO COSMETIC SPECIFICATION PS-45499-002 CLASS C.
5. RECOMMENDED PCB THICKNESS: 250 MIN.
6. PACKAGE PER PK-70873-0870, PK-70873-0871 OR PK-70873-0875.
7. PART MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

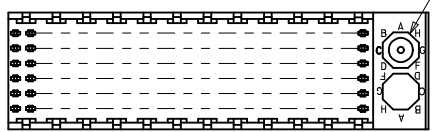
REVISE H DIM TOL EC NO: UCP2008-3186 DRWN:SDANWELLEY 2008/07/29 CHKD:MSIBARRA 2008/09/11 APPR:SMILLER 2008/09/16	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JB INGHAM	DATE 1997/03/07	TITLE SALES ASSEMBLY HDM BACKPLANE STACKING MOD CLOSED END OPT PRESSFIT					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	SREED	1997/03/07						
			2 PLACES	± 0.05	± ---	APPROVED BY	DATE	MOLEX INCORPORATED					
			1 PLACE	± 0.10	± ---	CBIXLER	1997/03/07						
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-73771-001		1 OF 2			
			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

LOCATION A



REF. MATERIAL NUMBER 73771-1100
GUIDE PIN IS IN LOCATION A

LOCATION B



REF. MATERIAL NUMBER 73771-1101
GUIDE PIN IS IN LOCATION B

MATERIAL NUMBER ASSIGNMENT

73771- * * * *

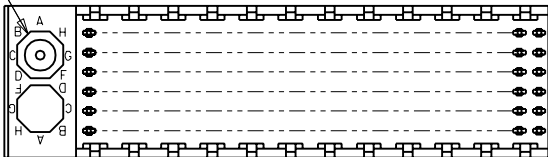
0 = 72-CIRCUIT
1 = 144-CIRCUIT

1 = 15.05 STACKING HEIGHT
2 = 6.05 STACKING HEIGHT
3 = 10.05 STACKING HEIGHT

NUMBER	GUIDE POST LOCATION
00	A
01	B
02	N/A

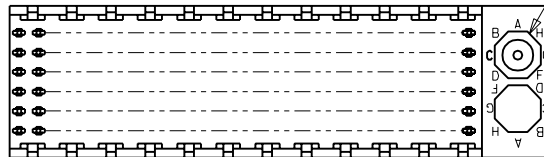
SEE SHEET 1 EC NO: UCP2008-3186 DRWN:SDANIELLEY 2008/07/29 CHKD:MSIBARRA 2008/09/11 APPR:SMILLER 2008/09/16	REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY JB INGHAM	DATE 1997/03/07	TITLE SALES ASSEMBLY HDM BACKPLANE STACKING MOD CLOSED END OPT PRESSFIT MOLEX INCORPORATED				
		4 PLACES ± --- ± ---		CHECKED BY SREED	DATE 1997/03/07					
		3 PLACES ± --- ± ---		APPROVED BY CBIXLER	DATE 1997/03/07					
		2 PLACES ± 0.05 ± ---		MATERIAL NO. SEE TABLE			DOCUMENT NO. SD-73771-001			
1 PLACE ± 0.10 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SHEET NO. 2 OF 2					
ANGULAR ± 1/2°		SIZE C			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

LOCATION A



REF. MATERIAL NUMBER 73771-1100
GUIDE PIN IS IN LOCATION A

LOCATION B



REF. MATERIAL NUMBER 73771-1101
GUIDE PIN IS IN LOCATION B

MATERIAL NUMBER ASSIGNMENT

73771- * * * *

Ø = 72-CIRCUIT
I = 144-CIRCUIT

1 = 15.05 STACKING HEIGHT
2 = 6.05 STACKING HEIGHT
3 = 10.05 STACKING HEIGHT

NUMBER	GUIDE POST LOCATION
ØØ	A
Ø1	B
Ø2	N/A

SEE SHEET 1
EC NO. UDT2000-1073
DRWN: BINGHAM 000508
CHK: REED 000508
APPR: BIXLER 000508

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

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

ANGULAR: ± °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE NO: NE
DESIGN UNITS
THIRD ANGLE PROJECTION
DRAWN BY & DATE
JBINGHAM 97/03/07
CHECKED BY & DATE
SREED 97/03/07
APPROVED BY & DATE
CBIXLER 97/03/07
CAD FILENAME
S73771X2.DGN

TITLE: SALES ASSEMBLY
HDM BACKPLANE STACKING MODULE
POLAR/GUIDE OPTION PRESSFIT
MOLEX INCORPORATED
MATERIAL NO. SEE CHART
DRAWING NO. SD-73771-001
SHEET NO. 2

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

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moschip.ru_9