

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0737711100](#)
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

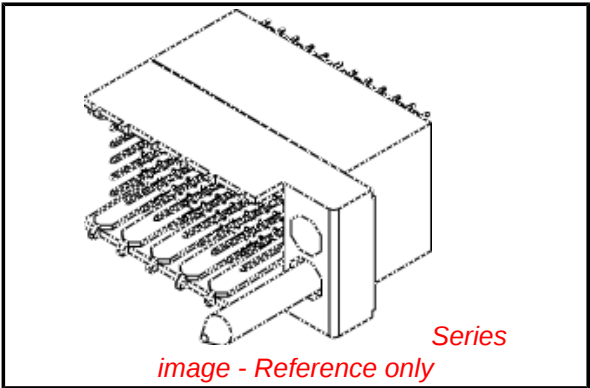
Product Family Backplane Connectors
Series [73771](#)
Application Midplane
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

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

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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.

China RoHS



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 - Maximum

250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-0870

Product Specification

PS-73780-999

Sales Drawing

SD-73771-001

HDM and High Density Metric are trademarks of Amphenol Corporation

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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- * * * *

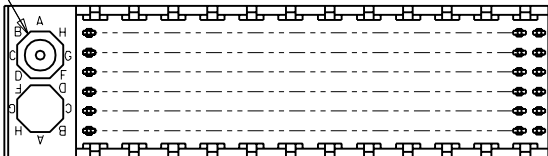
0 = 72-CIRCUIT
1 = 144-CIRCUIT

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

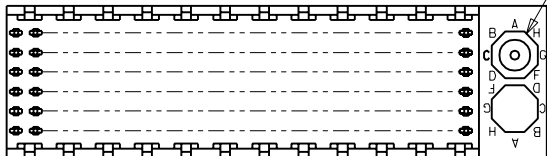
SEE SHEET 1 EC NO: UCP2008-3186 DRWN:SDANIELLEY 2008/07/29 CHKD:MSIBARRA 2008/09/11 APPR:SMILLER 2008/09/16	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
					mm	INCH	DRAWN BY JB INGHAM	DATE 1997/03/07	TITLE SALES ASSEMBLY HDM BACKPLANE STACKING MOD CLOSED END OPT PRESSFIT					
				4 PLACES	± ---	± ---	CHECKED BY	DATE						
				3 PLACES	± ---	± ---	SREED	1997/03/07	MOLEX INCORPORATED					
				2 PLACES	± 0.05	± ---	APPROVED BY	DATE						
				1 PLACE	± 0.10	± ---	CBIXLER	1997/03/07	DOCUMENT NO. SD-73771-001					
				ANGULAR ±1/2°				MATERIAL NO.						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE						
								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:

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