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Part Number: [0737711190](#)
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:

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

Agency Certification

CSA LR19980

General

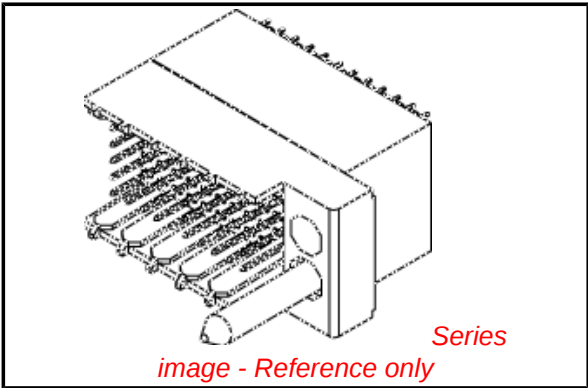
Product Family Backplane Connectors
Series [73771](#)
Application Midplane
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

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
Voltage - Maximum 250V AC



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

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 Extraction Tool	0622005703 0621001000

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0870
Product Specification	PS-73780-999
Sales Drawing	SD-73771-002

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10 9 8 7 6 5 4 3 2 1

F

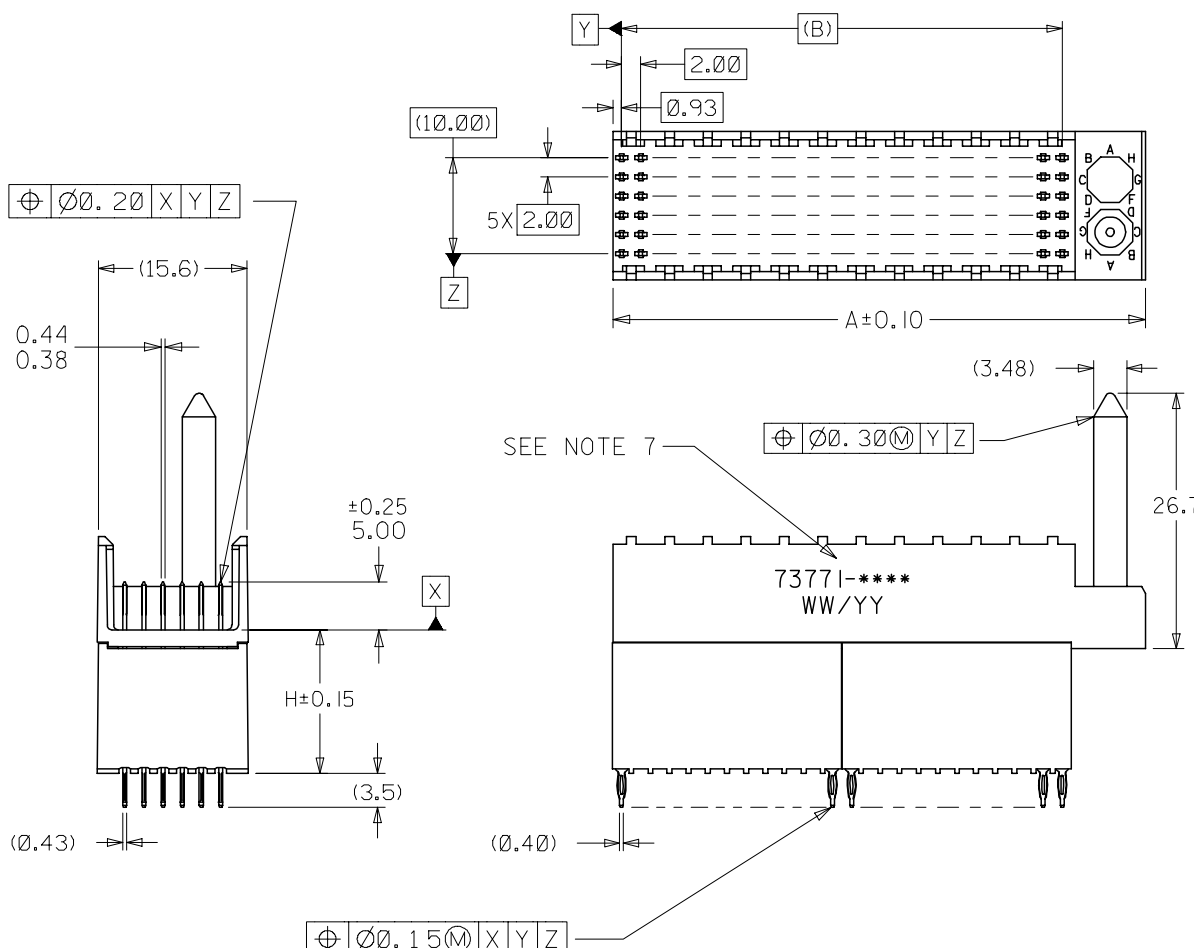
E

D

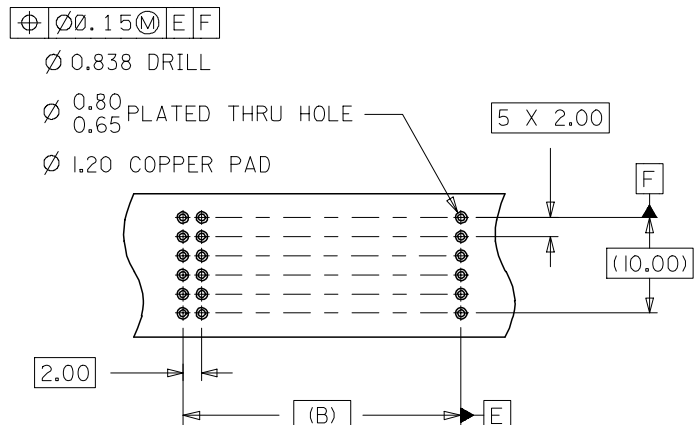
C

B

A



- 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, 0.76 MICROMETER MINIMUM THICKNESS; SELECTIVE TIN (Sn) ON TAILS, 0.38 MICROMETER MINIMUM THICKNESS; NICKEL (Ni) UNDERPLATE OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION: PS-73780-999.
 4. DIMENSIONS ARE IN MILLIMETERS
 5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM
 6. PACKAGE PER PK-70837-0870, PK-70873-0871, OR PK-70873-00875
 7. PART MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.



2	A
1	A
SHT	REV

ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"
73771-019*	72	31.6	22.00	15.05
73771-029*	72	31.6	22.00	6.05
73771-039*	72	31.6	22.00	10.05
73771-119*	144	55.6	46.00	15.05
73771-129*	144	55.6	46.00	6.05
73771-139*	144	55.6	46.00	10.05

INITIAL RELEASE
EC NO: UCP2005-2847
DRWN: MIBARRA 2005/07/25
CHKD: BSMART 2005/07/26
APPR: SMILLER 2005/07/27

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION
A

	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±0.05	±---
1 PLACE	±0.10	±---
ANGULAR ±1/2°		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
MIBARRA	05/07/06
CHECKED BY	DATE
BSMART	05/07/06
APPROVED BY	DATE
SMILLER	05/07/06
MATERIAL NO.	
SEE TABLE	
SIZE	
B	

SCALE 2:1

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

TITLE SALES ASSY HDM BACKPLANE STACKING MODULE POLAR/ GUIDE OPTION PRESSFIT

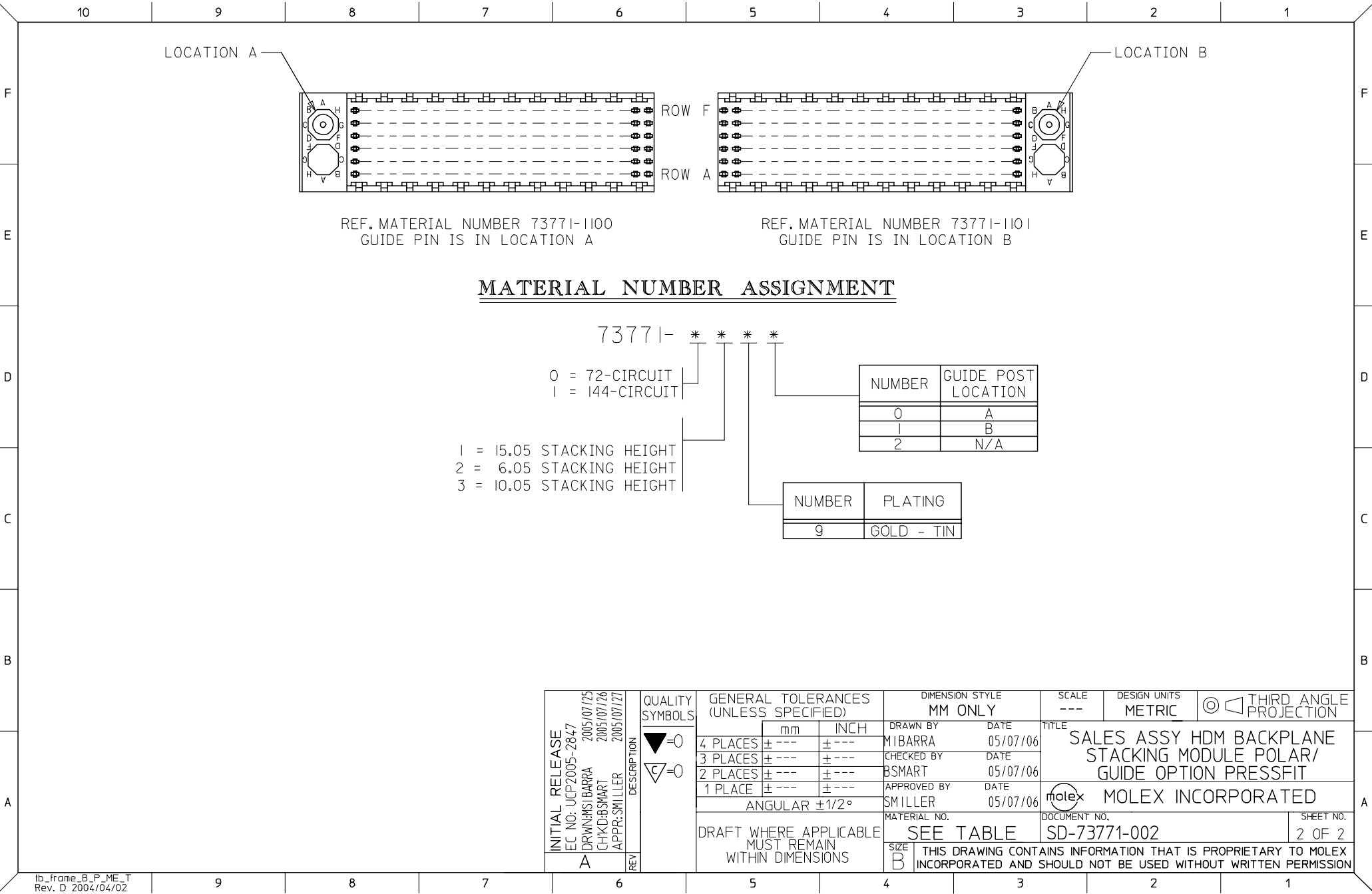
MOLEX INCORPORATED

DOCUMENT NO. SD-73771-002

SHEET NO. 1 OF 2

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

9 8 7 6 5 4 3 2 1



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

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
0	A
1	B
2	N/A

NUMBER	PLATING
9	GOLD - TIN

INITIAL RELEASE EC NO: UCP2005-2847 DRWN:MSJ.BARRA 2005/07/25 CHKD:BSMART 2005/07/26 APPR:SMILLER 2005/07/27 A	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					DRAWN BY MIBARRA	DATE 05/07/06	TITLE SALES ASSY HDM BACKPLANE STACKING MODULE POLAR/ GUIDE OPTION PRESSFIT			
			4 PLACES	± ---	± ---	CHECKED BY BSMART				DATE 05/07/06
			3 PLACES	± ---	± ---	APPROVED BY SMILLER				DATE 05/07/06
			ANGULAR ±1/2°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-73771-002			SHEET NO. 2 OF 2
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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<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.

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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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