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Part Number: [0736431200](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, Closed End, 144 Circuits

Documents:
[3D Model](#) [Drawing \(PDF\)](#)
[Test Summary \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

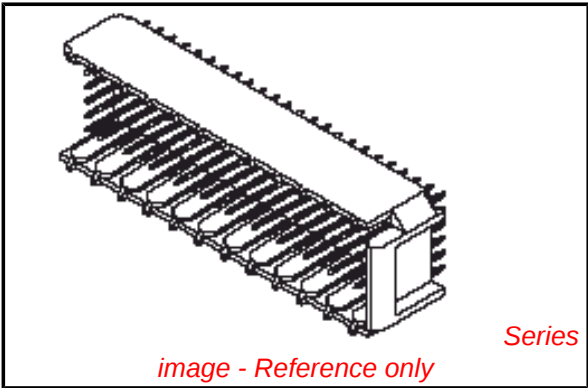
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73643](#)
Application Backplane
Comments Standard Press-Fit
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

Physical

Circuits (Loaded) 144
Circuits (maximum) 144
Color - Resin Black, Natural
Durability (mating cycles max) 250
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin High Temperature Thermoplastic
Number of Columns 24
Number of Pairs Open Pin Field
Number of Rows 6
Orientation Vertical
PC Tail Length (in) 0.138 In
PC Tail Length (mm) 3.50 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 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) 2
Plating min: Termination (µm) 0.05



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
[73643Series](#)

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.

Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
HDM® Backplane Insertion Signal Contact Tool	0621001400
HDM® Backplane Insertion Head for 144 Positions	0622005703

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

Extraction Tool	0621001000
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Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	75
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0818
Sales Drawing	SDA-73643-****

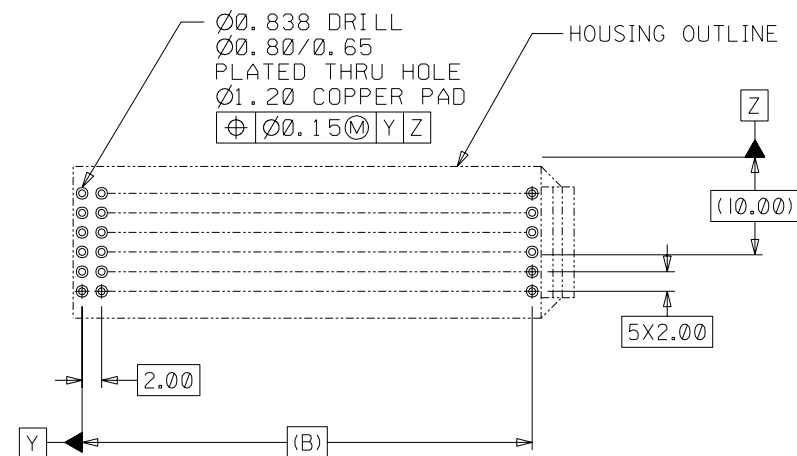
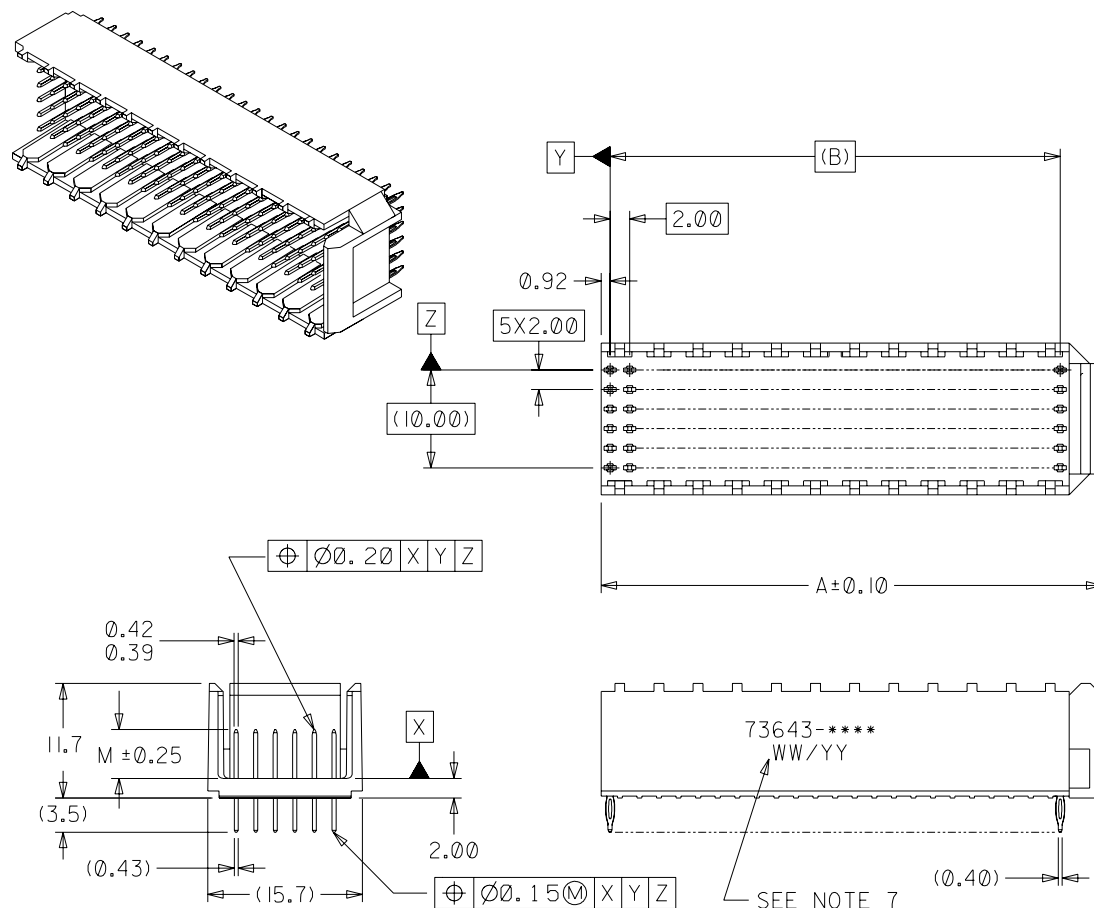
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NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK, TERMINAL - PHOSPHOR BRONZE.
2. FINISHES: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; NICKEL (Ni) AND GOLD FLASH OVERALL SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb) IN TAIL AREA; NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. DIMENSIONS ARE IN MILLIMETERS.
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	C
I	I
SH	REV

I	REVISED ECR UCP2003-2260 THOMAS 03/04/25	F	REVISED ECR UDT1999-0476 BINGHAM 98/12/21	C	REVISED PER ECR #U81357 BINGHAM 97/12/15
H	REVISED ECR UDT2000-0348 BINGHAM 99/10/12	E	REVISED ECR UDT1999-0243 BINGHAM 98/09/29	B	REVISED PER ECR #U70950 BINGHAM 97/02/14
G	REVISED ECR UDT1999-0662 BINGHAM 99/05/18	D	REVISED ECR UDT1998-0240 BINGHAM 98/05/06	A	RELEASED FOR PROD PER ECR # U70371 BINGHAM 96/12/18
LTR.	REVISIONS	LTR.	REVISIONS	LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH		
UNLESS OTHERWISE SPECIFIED: TOLERANCES: ANGULAR $\pm 1/2^\circ$		
	INCH	METRIC
3 PLACE	$\pm N/A$	---
2 PLACE	$\pm N/A$	± 0.05
1 PLACE	---	± 0.10
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
DRWG. BY	JRR	CHK'D. BY
APP'D. BY	CAB	SCALE
		2 : 1

 = 0  = 0		REVISE ONLY ON CAD SYSTEM	
TITLE			
SALES ASSY, HDM BACKPLANE MODULE, END WALL OPTION			
 MOLEX INCORPORATED LITTLE, ILL. 60532 U.S.A.		SHEET NO. 1 OF 2	DATE 96 / 12 / 18
PART NO. SEE SHEET 2		DRWG. NO. SDA-73643-*****	
FILE NAME 573643X1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV.  SIZE

	10	9	8	7	6	5	4	3	2	1
F										
E										
D										
C										
B										
A										

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73643-0000	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	5.00
73643-0100	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	5.50
73643-0200	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	6.00
73643-1000	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	5.00
73643-1100	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	5.50
73643-1200	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	6.00
73643-2000	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	5.00
73643-2100	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	5.50
73643-2200	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	6.00
73643-3000	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	5.00
73643-3100	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	5.50
73643-3200	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	6.00

		C	SEE SHEET I
LTR.	REVISIONS	LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH			
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°			
		INCH	METRIC
3 PLACE	±	N/A	---
2 PLACE	±	N/A	± 0.05
1 PLACE	---		± 0.10
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	JRR	CHK'D. BY	SMR
APP'D. BY	CAB	SCALE	NO*NE

= 0 = 0		REVISE ONLY ON CAD SYSTEM	
TITLE		SALES ASSY, HDM BACKPLANE MODULE, END WALL OPTION	
molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.		SHEET NO. 2	DATE 97/12/15
PART NO.		DRWG. NO.	
SEE CHART		SDA-73643-*****	
FILE NAME S73643X2 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
		DIV. DA	SIZE B

Данный компонент на территории Российской Федерации

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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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