

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736432200

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, Closed End, 72 Circuits

Documents:

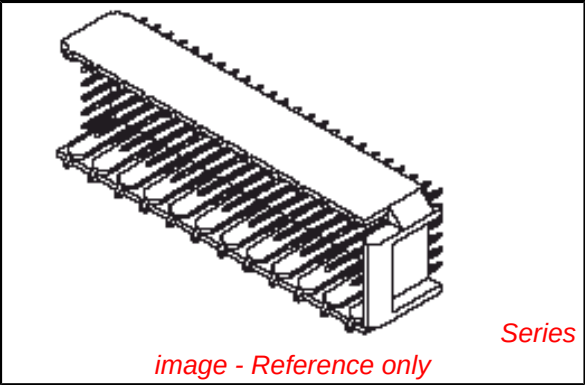
[3D Model](#)

[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)	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	No
Keying to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
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)	0.138 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)	15
Plating min: Termination (µm)	0.375



EU RoHS

Not 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

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.

Global

Description	Product #
Flat Rock Tooling for	0622013700
Pneumatic Press	
HDM® Backplane	0621001400
Insertion Signal	
Contact Tool	
Extraction Tool	0621001000

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

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-****

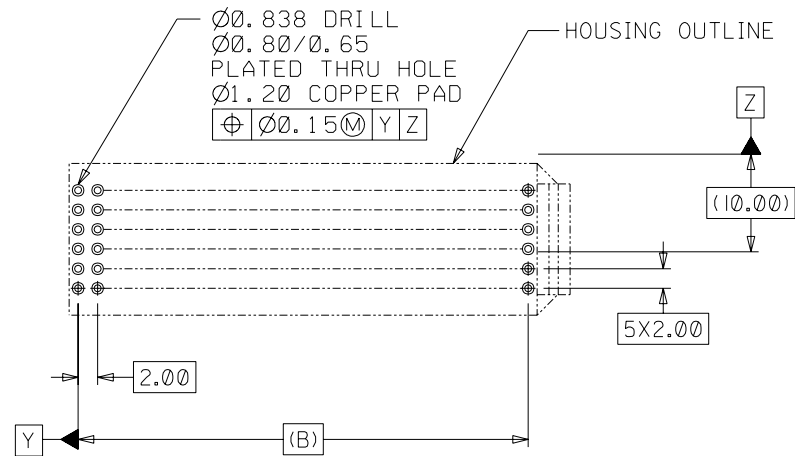
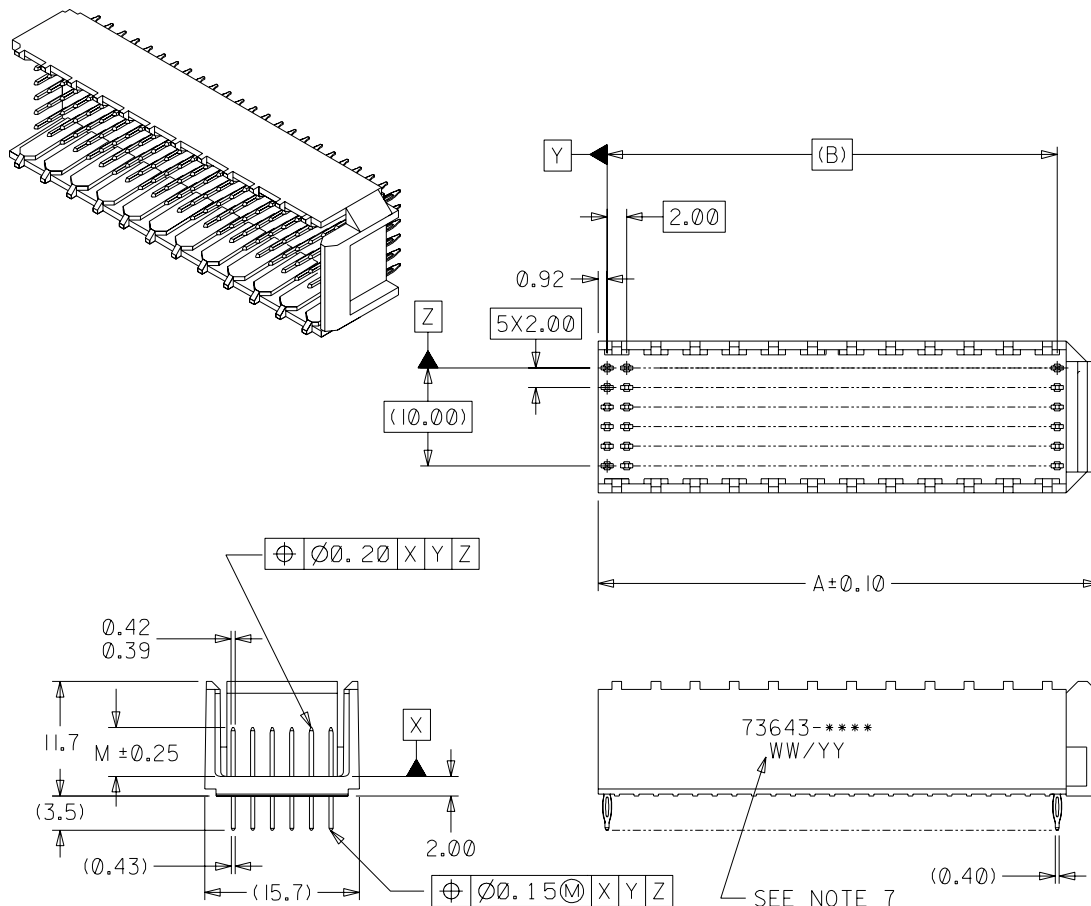
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NOTES:

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 ± 1/2°	
3 PLACE	± N/A
2 PLACE	± N/A
1 PLACE	---
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
DRWG. BY	JRR
CHK'D. BY	SMR
APP'D. BY	CAB
SCALE	2 : 1

TITLE		REVISE ONLY ON CAD SYSTEM	
SALES ASSY, HDM BACKPLANE MODULE, END WALL OPTION			
MOLEX INCORPORATED LITSE,ILL. 60532		SHEET NO. 1 OF 2 DATE 96/12/18	
PART NO. SEE SHEET 2		DRWG. NO. SDA-73643-****	
FILE NAME S73643X1 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
DIV. DA		SIZE B	

	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		SHEET NO. 2	DATE 97/12/15
PART NO. SEE CHART		DRWG. NO. 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

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
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- Входной контроль качества.
- Наличие сертификата ISO.

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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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