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Part Number: [0736441004](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location B, Polarizing Key Position C, 144 Circuits

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73644
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	Yes
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
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	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
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
Polarized to PCB	No



Series

image - Reference only

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
[73644Series](#)

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	
HDM® Backplane	0622005703
Insertion Head for	
144 Positions	

Stackable	No	Extraction Tool	0621001000
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		
Shielded	No		
Voltage - Maximum	250V AC		
Material Info			
Reference - Drawing Numbers			
Packaging Specification	PK-70873-0818		
Sales Drawing	SDA-73644-****		
HDM and High Density Metric are trademarks of Amphenol Corporation			

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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 MIN. THICKNESS; SELECTIVE TIN/LEAD (Sb/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. FOR SPECIFIC MATERIAL NUMBERS, REFER TO SHEET 2.
7. PACKAGE PER PK-70873-0818.
8. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



2	D
1	J
MFG.	SH.
REV.	

REVISIONS: 2 = 0, 1 = 0, REVISE ONLY ON CAD SYSTEM

TITLE		SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION	
MOLEX INCORPORATED		SHEET NO. 1 OF 2	
LISLE, ILL. 60532		DATE 96/12/18	
PART NO.		SDA-73644-****	
SEE CHART		DIV. DA	
FILE NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
S73644X1 DGN		SIZE B	

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

REVISED ECR UDT2000-0348 BINGHAM 99/10/12		I
REVISED ECR UDT1999-0662 BINGHAM 99/05/18		H
REVISED ECR UDT1999-0476 BINGHAM 98/12/21		G
REVISED ECR UDT2003-2260 THOMAS 03/04/25		J
REVISIONS		LTR.

	10	9	8	7	6	5	4	3	2	1	73644
	MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"					
F	73644-00**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.00					
	73644-01**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.50					
	73644-02**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	6.00					
	73644-10**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.00					
	73644-11**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.50					
E	73644-12**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	6.00					
	73644-20**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.00					
	73644-21**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.50					
	73644-22**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	6.00					
	73644-30**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.00					
	73644-31**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.50					
	73644-32**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	6.00					
							MATERIAL NUMBER ASSIGNMENT				
							73644- * * * *				
							0 = 72-CIRCUIT, GOLD/GOLD FLASH 1 = 144-CIRCUIT, GOLD/GOLD FLASH 2 = 72-CIRCUIT, GOLD/TIN-LEAD 3 = 144-CIRCUIT, GOLD/TIN-LEAD				
							0 = 5.00 MATING LENGTH 1 = 5.50 MATING LENGTH 2 = 6.00 MATING LENGTH				
D							NUMBER GUIDE POST LOCATION POLAR KEY POSITION				
							00 B A 01 A 02 B B 03 A 04 B C 05 A 06 B D 07 A 08 B E 09 A F 10 B 11 A 12 B G 13 A 14 B H 15 A 16 B 17 A N/A 18 N/A				
C	LOCATION A						LOCATION B				
B	REF. MATERIAL NUMBER 73644-0009 GUIDE PIN IS IN LOCATION A POLARIZING KEY IS IN LOCATION B, POSITION E						REF. MATERIAL NUMBER 73644-0008 GUIDE PIN IS IN LOCATION B POLARIZING KEY IS IN LOCATION A, POSITION E				
A							DIMENSIONS SHOWN (METRIC) INCH				
							UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°				
							INCH METRIC				
							3 PLACE ± N/A ---				
							2 PLACE ± N/A ± N/A				
						1 PLACE --- ± N/A					
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
						DRWG. BY JRR CHK'D. BY SMR					
						APP'D. BY CAB SCALE ---:---					
						LTR. REVISIONS LTR. REVISIONS					
						D SEE SHEET I					
						FILE NAME S73644X2.DGN					
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					
						SEE CHART SDA-73644-*****					
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- 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.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- 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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