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Part Number: [0736440218](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location N/A, Polarizing Key Position N/A, 72 Circuits

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

Agency Certification

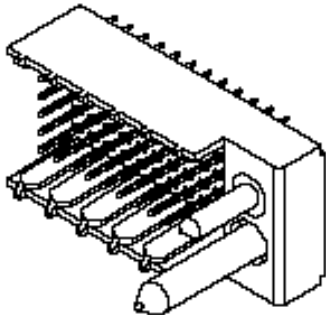
CSA	LR19980
UL	E29179

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)	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, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
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	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	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free	
Status	
Not Reviewed	

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 Pneumatic Press	0622013700
HDM® Backplane Insertion Signal Contact Tool	0621001400
Extraction Tool	0621001000

Stackable	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
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

This document was generated on 05/14/2010

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73644	4	3	2	73644
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.				

NOTES:

F

E

D

C

B

10 9 8 7 6

$\oplus \varnothing 0.20 X Y Z$

0.42
 0.39

2.00

$M \pm 0.25$

14.35 ± 0.15

7.05 ± 0.20

6.50

(0.43)

(15.7)

$\oplus \varnothing 0.15 M X Y Z$

$\oplus \varnothing 0.30 M Y Z$

73644-****
WW/YY

(0.40)

SEE NOTE 8

A					I	REVISED ECR UDT2000-0348 BINGHAM 99/10/12	DIMENSIONS SHOWN (IMPERIAL) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM																	
					H	REVISED ECR UDT1999-0662 BINGHAM 99/05/18	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION																			
					J	REVISED ECR UCP2003-2260 THOMAS 03/04/25	<table border="1"> <thead> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> </thead> <tbody> <tr> <td>3 PLACE</td> <td>± N/A</td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td>± N/A</td> <td>± 0.05</td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td>± 0.10</td> </tr> </tbody> </table>			INCH	METRIC	3 PLACE	± N/A	---	2 PLACE	± N/A	± 0.05	1 PLACE	---	± 0.10	MOLEX INCORPORATED LITTLE, ILL. 60532 U.S.A.				SHEET NO. 1 OF 2		DATE 96/12/18	
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				G	REVISED ECR UDT1999-0476 BINGHAM 98/12/21	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		PART NO. SEE CHART		DRWG. NO. SDA-73644-*****																		
LTR.					REVISIONS	LTR.		REVISIONS		FILE NAME S73644X1 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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	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																																																							
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	73644-30**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.00																																																							
D	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 <table><thead><tr><th>NUMBER</th><th>GUIDE POST LOCATION</th><th>POLAR KEY POSITION</th></tr></thead><tbody><tr><td>00</td><td>B</td><td rowspan="2">A</td></tr><tr><td>01</td><td>A</td></tr><tr><td>02</td><td>B</td><td rowspan="2">B</td></tr><tr><td>03</td><td>A</td></tr><tr><td>04</td><td>B</td><td rowspan="2">C</td></tr><tr><td>05</td><td>A</td></tr><tr><td>06</td><td>B</td><td rowspan="2">D</td></tr><tr><td>07</td><td>A</td></tr><tr><td>08</td><td>B</td><td rowspan="2">E</td></tr><tr><td>09</td><td>A</td></tr><tr><td>10</td><td>B</td><td rowspan="2">F</td></tr><tr><td>11</td><td>A</td></tr><tr><td>12</td><td>B</td><td rowspan="2">G</td></tr><tr><td>13</td><td>A</td></tr><tr><td>14</td><td>B</td><td rowspan="2">H</td></tr><tr><td>15</td><td>A</td></tr><tr><td>16</td><td>B</td><td rowspan="10">N/A</td></tr><tr><td>17</td><td>A</td></tr><tr><td>18</td><td>N/A</td></tr></tbody></table>					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	10	B	F	11	A	12	B	G	13	A	14	B	H	15	A	16	B	N/A	17	A	18	N/A
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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