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Part Number:

0736443112

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 G, 144 Circuits

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

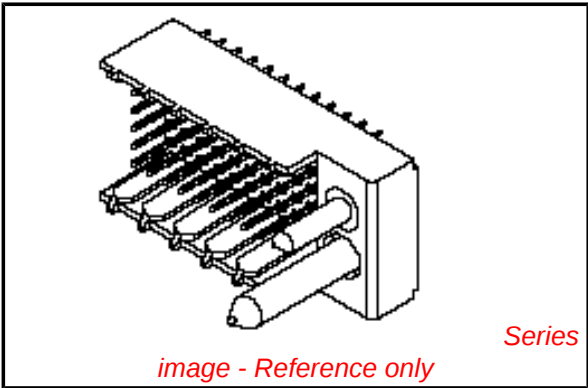
CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73644
Application	Backplane
Comments	Standard Press-Fit, Tin/Lead (SnPb)
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	Tin
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)	15
Plating min: Termination (µm)	0.375
Polarized to PCB	No



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

[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	
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-****

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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.				



				I	REVISED ECR UDT2000-0348 BINGHAM 99/10/12	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$		$\nabla = 0$ $\blacktriangledown = 0$		REVISE ONLY ON CAD SYSTEM	
				H	REVISED ECR UDT1999-0662 BINGHAM 99/05/18	INCH METRIC 3 PLACE $\pm$ N/A --- 2 PLACE $\pm$ N/A ± 0.05 1 PLACE --- ± 0.10		TITLE SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION			
J REVISED ECR UCP2003-2260 THOMAS 03/04/25				G	REVISED ECR UDT1999-0476 BINGHAM 98/12/21	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		 MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.		SHEET NO. 1 OF 2	DATE 96/12/18
LTR. REVISIONS				LTR. REVISIONS	DRWG. BY JRR CHK'D. BY SMR APP'D. BY CAB SCALE 2 : 1		PART NO. SEE CHART DRWG. NO. SDA-73644-*****		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

	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	LOCATION A ROW F ROW A LOCATION B REF. MATERIAL NUMBER 73644-0009 GUIDE PIN IS IN LOCATION A POLARIZING KEY IS IN LOCATION B, POSITION E																						
C	LOCATION B ROW F ROW A LOCATION A REF. MATERIAL NUMBER 73644-0008 GUIDE PIN IS IN LOCATION B POLARIZING KEY IS IN LOCATION A, POSITION E																						
B																							
A	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° <table><tr><th></th><th>INCH</th><th>METRIC</th></tr><tr><td>3 PLACE</td><td>± N/A</td><td>---</td></tr><tr><td>2 PLACE</td><td>± N/A</td><td>± N/A</td></tr><tr><td>1 PLACE</td><td>---</td><td>± N/A</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DRWG. BY JRR CHK'D. BY SMR APP'D. BY CAB SCALE --- FILE NAME S73644X2 DGN THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. DRWG. NO. SDA-73644-***** DIV. DA SIZE B												INCH	METRIC	3 PLACE	± N/A	---	2 PLACE	± N/A	± N/A	1 PLACE	---	± N/A
	INCH	METRIC																					
3 PLACE	± N/A	---																					
2 PLACE	± N/A	± N/A																					
1 PLACE	---	± N/A																					
	10	9	8	7	6	5	4	3	2	1													

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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