

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736442117

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location 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, Tin/Lead (SnPb)

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

Yes

Keying to Mating Part

None

Material - Metal

Phosphor Bronze, Stainless Steel

Material - Plating Mating

Gold

Material - Plating Termination

Tin

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)

15

Plating min: Termination (µm)

0.375

Polarized to PCB

No



image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Pb

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-****

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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.

PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

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

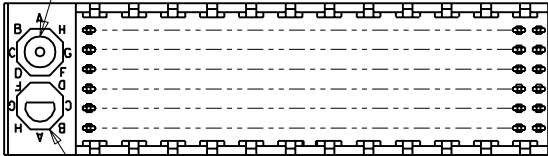
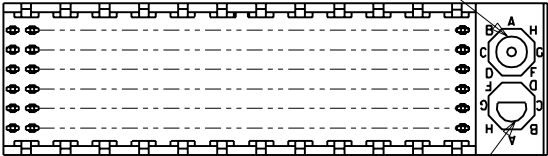
DRWG. BY: JRR CHK'D. BY: SMR
APP'D. BY: CAB SCALE: 2 : 1

REVISIONS: 2 D
1 J
MFG. SH. REV.

REVISIONS: 2 D
1 J
MFG. SH. REV.

SALES ASSY, HDM BACKPLANE
MODULE, POLAR/GUIDE OPTION

MOLEX INCORPORATED
LITSE,ILL. 60532
SHEET NO. 1 OF 2
DATE 96/12/18
PART NO. SEE CHART
SDA-73644-****
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 			LOCATION B 																			
C	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																			
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						INCH	METRIC	3 PLACE	± N/A	---	2 PLACE	± N/A	± N/A	1 PLACE	---	± N/A
		INCH	METRIC																				
	3 PLACE	± N/A	---																				
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							DRWG. BY JRR CHK'D. BY SMR APP'D. BY CAB SCALE ---:---																
							D SEE SHEET I																
				LTR.	REVISIONS	LTR.	REVISIONS																
	10	9	8	7	6	5	4	3	2	1													

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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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