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Part Number:

0736423209

Status:

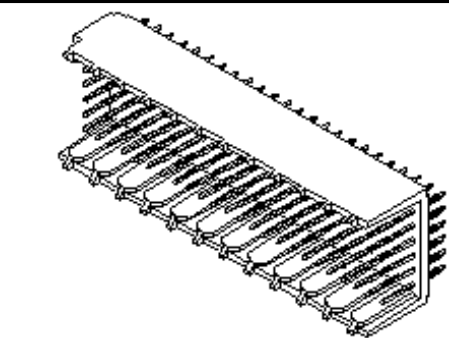
Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, Open End, 144 Circuits



Series
image - Reference only

Documents:

[Drawing \(PDF\)](#)

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

[Product Specification PS-73670-9999 \(PDF\)](#)

General

Product Family	Backplane Connectors
Series	73642
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
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Phosphor Bronze
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	None
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
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

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
73642Series

Mates With
73632 HDM PLUS® Board-to-Board Daughtercard Receptacle. 73780 HDM® Board-to-Board Daughtercard Receptacle

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

Product Specification	PS-73670-9999
Sales Drawing	SD-73642-003

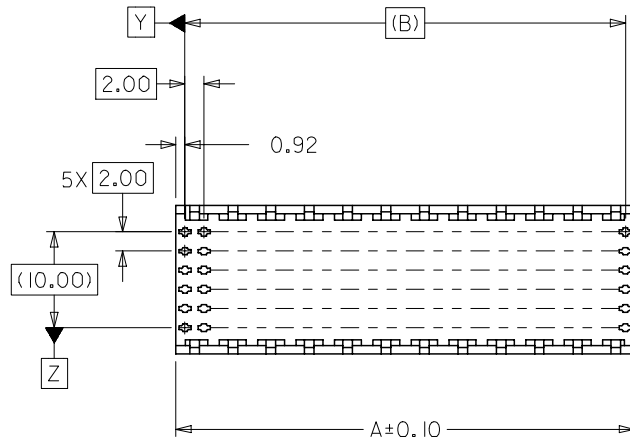
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

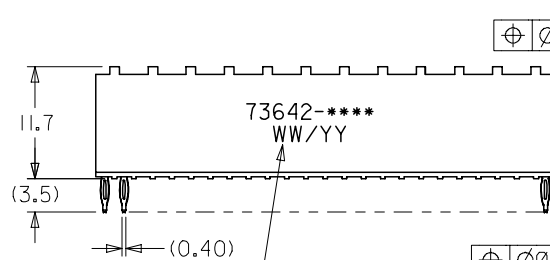
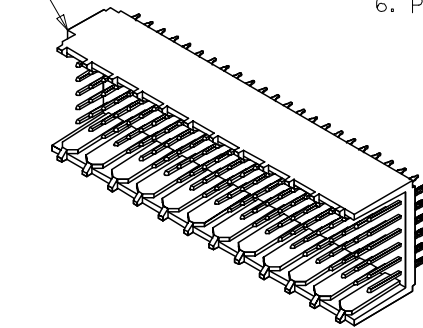
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NOTES:

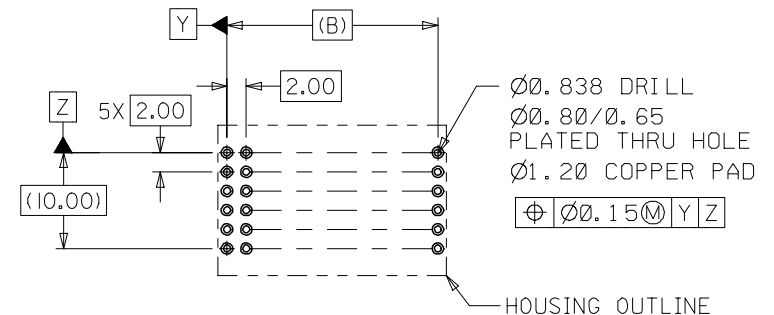
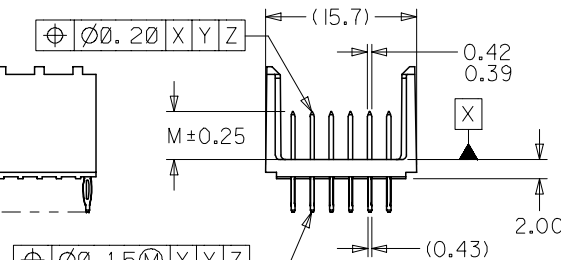
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK,
TERMINAL - PHOSPHOR BRONZE.
2. FINISHES: SELECTIVE GOLD (Au) IN CONTACT AREA,
SELECTIVE TIN (Sn) IN TAIL AREA;
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. PACKAGE PER PK-70873-0818.
6. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



LOCATING NOTCH



SEE NOTE 6



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN.

INITIAL RELEASE EC NO: UCP2006-1564 DRW: J JONIAK 2006/01/31 CHKD: J BINGHAM 2006/01/31 APPR: CBI XLER 2006/02/02	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY J JONIAK	DATE 2005/11/01	TITLE SALES ASSEMBLY LEADFREE HDM BACKPLANE MODULE OPEN END OPTION			
			4 PLACES	± --- ± ---	CHECKED BY J BINGHAM	DATE 2005/11/01				
			3 PLACES	± --- ± ---	APPROVED BY J BINGHAM	DATE 2005/11/01				
			2 PLACES	± --- ± ---	MATERIAL NO. SEE PAGE 2		DOCUMENT NO. SD-73642-003	SHEET NO. 1 OF 2		
1 PLACE	± --- ± ---	MOLEX MOLEX INCORPORATED								
ANGULAR ±1/2°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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F
E
D
C
B
A

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73642-2009	72	SELECTIVE GOLD/SELECTIVE TIN	23.84	22.00	5.00
73642-2109	72	SELECTIVE GOLD/SELECTIVE TIN	23.84	22.00	5.50
73642-2209	72	SELECTIVE GOLD/SELECTIVE TIN	23.84	22.00	6.00
73642-3009	144	SELECTIVE GOLD/SELECTIVE TIN	47.84	46.00	5.00
73642-3109	144	SELECTIVE GOLD/SELECTIVE TIN	47.84	46.00	5.50
73642-3209	144	SELECTIVE GOLD/SELECTIVE TIN	47.84	46.00	6.00

INITIAL RELEASE
EC NO: UCP2006-1564
DRAWN: JJONIAK 2006/01/31
CHKD: JBINGHAM 2006/01/31
APPR: CBI XLER 2006/02/02

DESCRIPTION
REV
A

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY JJONIAK
DATE 2005/11/01
CHECKED BY JBINGHAM
DATE 2005/11/01
APPROVED BY JBINGHAM
DATE 2005/11/01
MATERIAL NO. SEE CHART

SCALE

DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
TITLE
SALES ASSEMBLY LEADFREE
HDM BACKPLANE MODULE
OPEN END OPTION
MOLEX INCORPORATED
DOCUMENT NO. SD-73642-003
SHEET NO. 2 OF 2

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ib_frame_B_P_ME_T
Rev. D 2004/04/02

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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