

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736446217

Status:

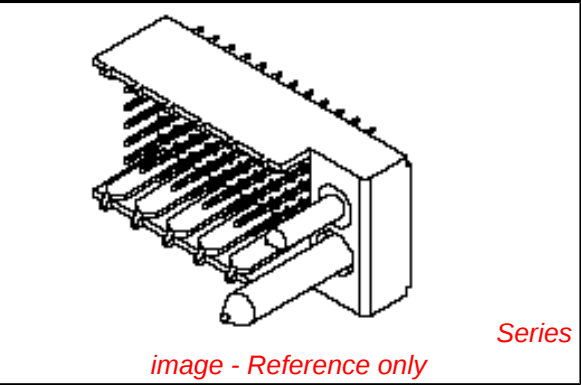
Active

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, 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
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A
Physical	
Circuits (Loaded)	144
Circuits (maximum)	144
Color - Resin	Black
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	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
Stackable	No

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 #
HDM® Backplane Insertion Signal Contact Tool	0621001400
HDM® Backplane Insertion Head for 144 Positions Extraction Tool	0622005703
	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

Sales Drawing	SD-73644-003
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HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 06/07/2010

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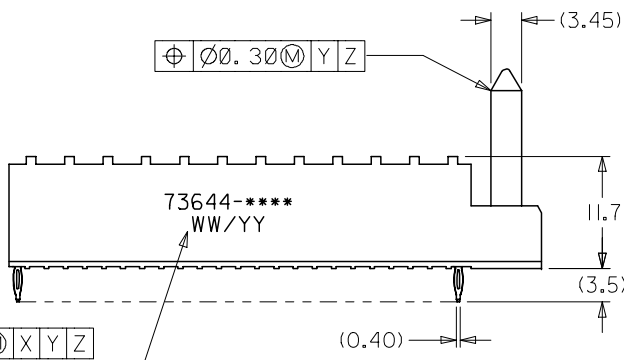
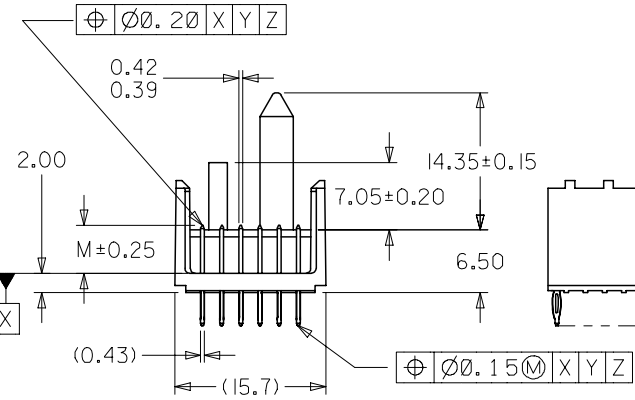
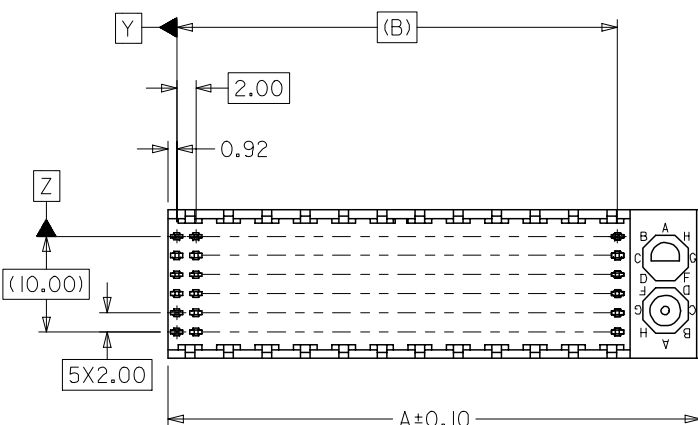
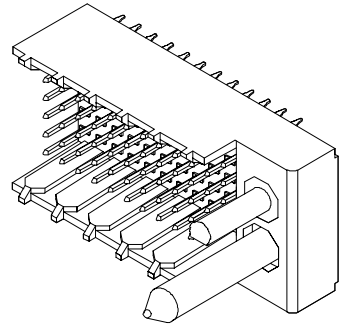
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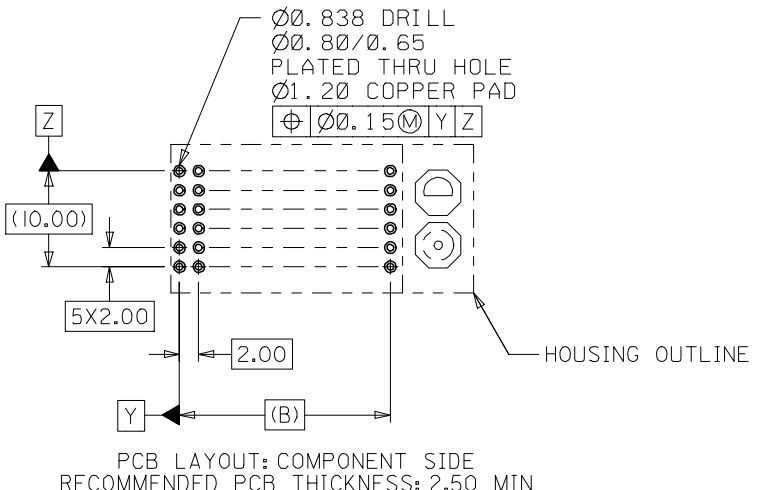
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- NOTES:**
- 1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK, TERMINAL - PHOSPHOR BRONZE.
 - 2. FINISHES: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MIN. THICKNESS; SELECTIVE TIN (Sb) IN TAIL AREA; NICKEL (Ni) OVERALL.
 - 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
 - 4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
 - 5. FOR SPECIFIC MATERIAL NUMBERS, REFER TO SHEET 2.
 - 6. PACKAGE PER PK-70873-0818.
 - 7. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



73644-****
WW/YY

SEE NOTE 7



INITIAL RELEASE EC NO: UCP2006-1564 DRWN: JJONIAK 2006/01/31 CHKD: JBINGHAM 2006/01/31 APPR: CBI XLER 2006/02/02 A	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 JJONIAK	DATE 2005/11/01	TITLE SALES ASSEMBLY, HDM LEADFREE BP MODULE POLAR/GUIDE OPTION		
			4 PLACES	± ---	± ---	CHECKED BY JBINGHAM	DATE 2005/11/01			
			3 PLACES	± ---	± ---					
			2 PLACES	± ---	± ---					
				1 PLACE	± ---	± ---	APPROVED BY JBINGHAM	DATE 2005/11/01	 MOLEX INCORPORATED	
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-73644-003			1 OF 2
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

