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Part Number: [0736441016](#)
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 N/A, 144 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Test Summary \(PDF\)](#)
[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) 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 None
Material - Metal Phosphor Bronze, Stainless Steel
Material - Plating Mating Gold
Material - Plating Termination Gold
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) 2
Plating min: Termination (µm) 0.05



Series

image - Reference only

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 #
Flat Rock Tooling for	0622013700
Pneumatic Press	
HDM® Backplane	0621001400
Insertion Signal	
Contact Tool	
HDM® Backplane	0622005703
Insertion Head for	
144 Positions	

Polarized to PCB	No	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

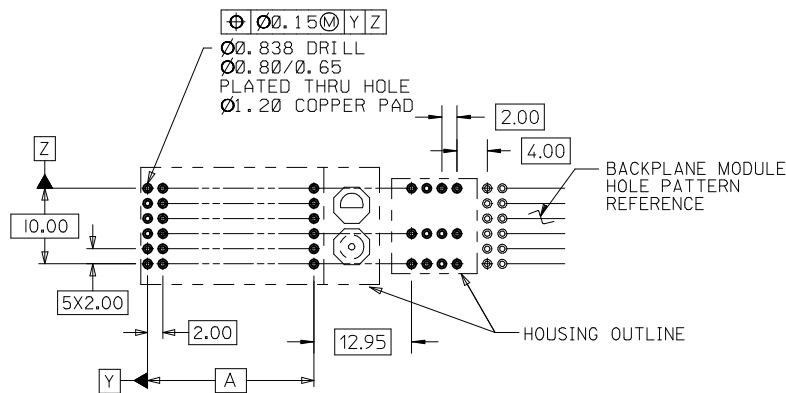
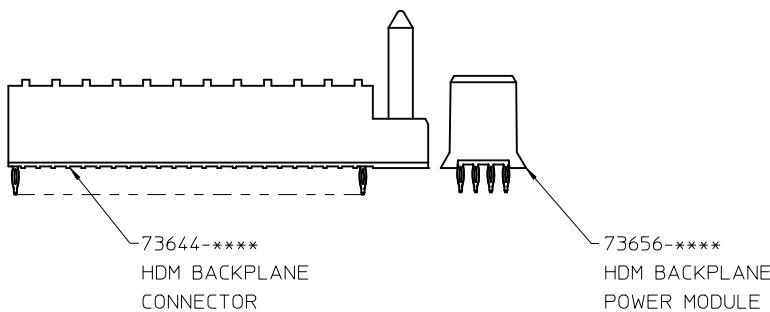
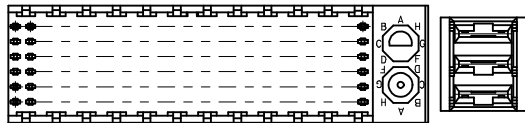
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0818
Sales Drawing	SD-73644-004, SDA-73644-****

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PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

- NOTES:
1. SEE SD-73644-**** FOR ADDITIONAL INFORMATION FOR THE 73644 BACKPLANE MODULE.
 2. SEE SD-73656-*00* FOR ADDITIONAL INFORMATION FOR THE 73656 MODULE.

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	DIM "A"
73644-00**	72	22.00
73644-01**	72	22.00
73644-02**	72	22.00
73644-10**	144	46.00
73644-11**	144	46.00
73644-12**	144	46.00
73644-20**	72	22.00
73644-21**	72	22.00
73644-22**	72	22.00
73644-30**	144	46.00
73644-31**	144	46.00
73644-32**	144	46.00

INITIAL RELEASE
EC NO: UCP2009-3131
DRWN:SDANNELLEY 2009/08/05
CHKD:BSMART 2009/08/06
APPR:SMILLER 2009/08/07

REV
A

QUALITY SYMBOLS
=0
=0

DESCRIPTION

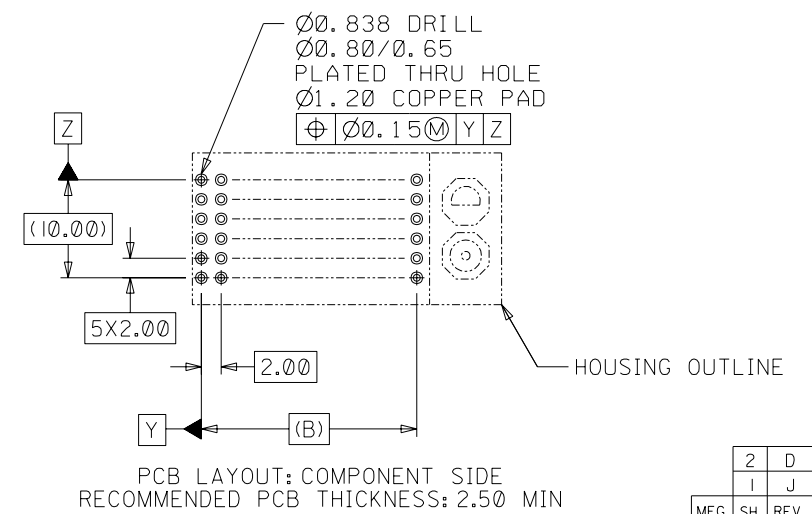
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .010
1 PLACE ± 0.25 ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
SDANNELLEY 2009/06/26
CHECKED BY DATE
BSMART 2009/06/26
APPROVED BY DATE
SMILLER 2009/06/26
MATERIAL NO.
N/A
SIZE
C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
2:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
PCB LAYOUT FOR 73644 AND 73659 CONNECTORS USED IN CONJUNCTION
molex MOLEX INCORPORATED
DOCUMENT NO.
SD-73644-004
SHEET NO.
1 OF 1

tb_frame_C_P_AM_T
Rev. E 2006/04/15

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

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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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