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Part Number: [0736442210](#)
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 F, 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 Yes
 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

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 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:**
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK, TERMINAL - PHOSPHOR BRONZE.
 - 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.
 - THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
 - FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
 - DIMENSIONS ARE IN MILLIMETERS.
 - FOR SPECIFIC MATERIAL NUMBERS, REFER TO SHEET 2.
 - PACKAGE PER PK-70873-0818.
 - PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

2	D
1	J
MFG. SH.	REV.

SEE NOTE 8

		I		REVISOR	REVISIONS		DIMENSIONS SHOWN (METRIC) INCH		$\nabla = 0$ $\blacktriangledown = 0$ REVISE ONLY ON CAD SYSTEM TITLE: SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION													
		H		ECR UDT2000-0348	BINGHAM 99/10/12		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		MOLEX MOLEX INCORPORATED SHEET NO. DATE U.S.A. 60532 1 OF 2 96/12/18													
		G		REVISOR	REVISIONS		<table border="1"> <thead> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> </thead> <tbody> <tr> <td>3 PLACE</td> <td>± N/A</td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td>± N/A</td> <td>± 0.05</td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td>± 0.10</td> </tr> </tbody> </table>			INCH	METRIC	3 PLACE	± N/A	---	2 PLACE	± N/A	± 0.05	1 PLACE	---	± 0.10	PART NO. SDA-73644-**** SEE CHART	
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3 PLACE	± N/A	---																				
2 PLACE	± N/A	± 0.05																				
1 PLACE	---	± 0.10																				
J		G		REVISOR	REVISIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FILE NAME: S73644X1 DGN THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.													
LTR.		LTR.		ECR UCP2003-2260	THOMAS 03/04/25		DRWG. BY: JRR CHK'D. BY: SMR APP'D. BY: CAB SCALE: 2 : 1		DIV. DA SIZE B													

