

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0739437100

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Closed End, 144 Circuits

Documents:

[Drawing \(PDF\)](#)

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

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Backplane Connectors

Series

[73943](#)

Application

Backplane

Comments

Solder Tail

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

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)

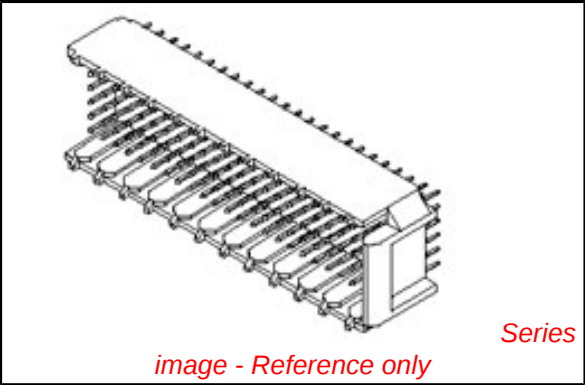
100

Plating min: Termination (µm)

2.5

Polarized to PCB

No



EU RoHS

ELV and 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

[73943Series](#)

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	0621001400
Insertion Signal	
Contact Tool	
Extraction Tool	0621001000

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

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-73943-001

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NOTES:

1. MATERIALS: HOUSING--LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94V-0, COLOR: BLACK.
TERMINAL: PHOSPHOR BRONZE.
2. FINISH: 0.75 MICROMETERS MINIMUM SELECTIVE GOLD (Au) IN MATING AREA
2.50 MICROMETERS MINIMUM SELECTIVE TIN (Sn) IN TAIL AREA
NICKEL (Ni) UNDERPLATE 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.



SEE NOTE 6

PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

2	A
1	G
SHT	REV

MODIFY FINISH NOTE
EC NO: UCP2007-2259
IDRW:MSI/BARRA 2007/03/13
CHKD:BBARKER 2007/03/21
APPR:SMILLER 2007/03/22

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±0.05	±---
1 PLACE	±0.10	±---
ANGULAR	±1/2°	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JB INGHAM	1998/01/13
CHECKED BY	DATE
SREED	1998/01/13
APPROVED BY	DATE
CBIXLER	1998/01/13
MATERIAL NO.	SEE CHART

SCALE
2:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
SALES ASSY HDM BACKPLANE
END WALL OPTION
SOLDER TAIL VERSION

MOLEX MOLEX INCORPORATED

DOCUMENT NO.
SD-73943-001

SHEET NO.
1 OF 2

MATERIAL NUMBER ASSIGNMENT

73943-* * 0 0

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "H"
0	72	27.6	22.00	2.0
1	144	51.6	46.00	2.0
2	72	27.6	22.00	2.5
3	144	51.6	46.00	2.5
4	72	27.6	22.00	3.0
5	144	51.6	46.00	3.0
6	72	27.6	22.00	3.5
7	144	51.6	46.00	3.5

NUMBER	DIM "M"
0	5.0
1	5.5
2	6.0

SEE SHEET 1 EC NO. U81577 DRWN:JBINGHAM 98/02/03 CHK: REED 98/02/03 APPR:CBIXLER 98/02/03 A	DESCRIPTION REV	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE NO:NE	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
					DRAWN BY & DATE JBINGHAM 98/01/13			TITLE: SALES ASS'Y, HDM BACKPLANE END WALL OPTION SOLDER TAIL VERSION		REVISE ON CAD ONLY	
					CHECKED BY & DATE SREED 98/01/13						
					APPROVED BY & DATE CBIXLER 98/01/13						
		1 PLACE ±0. NA / ±.		CAD FILENAME S73943X2.DGN		MATERIAL NO. SEE CHART		DRAWING NO. SD-73943-001		SHEET NO. 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.						SIZE B	

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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- Изготовление тестовой платы монтаж и пусконаладочные работы.



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