

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0739422200

Status:

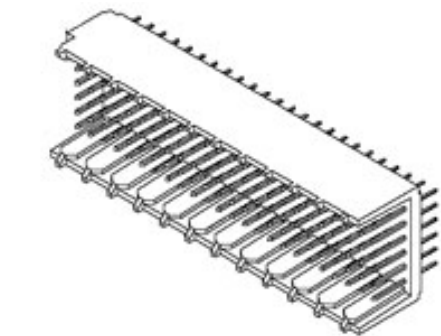
Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Open End, 72 Circuits



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Backplane Connectors

Series

[73942](#)

Application

Backplane

Comments

Solder Tail

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

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

12

Number of Pairs

Open Pin Field

Number of Rows

6

Orientation

Vertical

PC Tail Length (in)

0.098 In

PC Tail Length (mm)

2.50 mm

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

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.5

Stackable

Yes

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-55°C to +105°C

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**Halogen-Free
Status**

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

[73942Series](#)

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

Termination Interface: Style	Through Hole
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Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0818
Sales Drawing	SD-73942-001

HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

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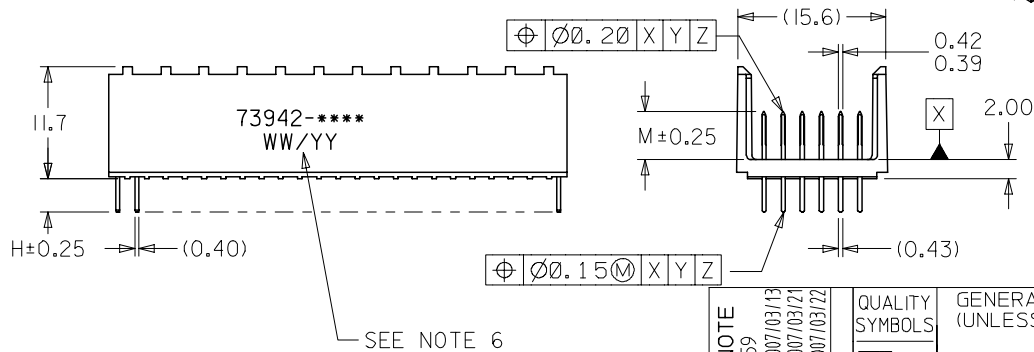
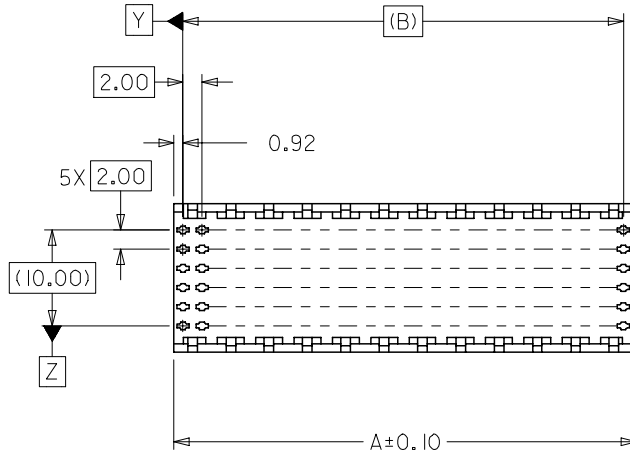
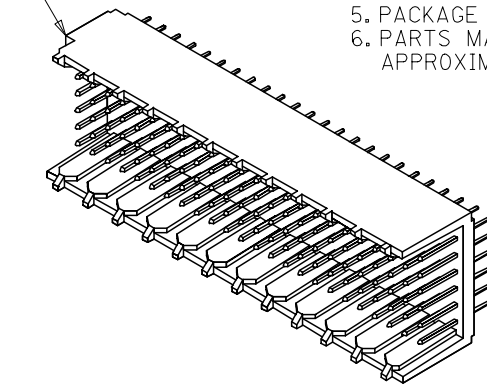
2

73942

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.

LOCATING NOTCH



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
DRWN:MSI BARRA 2007/03/13
CHKD:BBARKER 2007/03/21
APPR:SMILLER 2007/03/22
DESCRIPTION
REV

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	SCALE
MM ONLY	2:1
DRAWN BY	DATE
JB INGHAM	1998/01/13
CHECKED BY	DATE
SREED	1998/01/13
APPROVED BY	DATE
CBIXLER	1998/01/13
MATERIAL NO.	DOCUMENT NO.
SEE CHART	SD-73942-001

DESIGN UNITS	THIRD ANGLE PROJECTION
METRIC	⊕
SALES ASSY HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION	
MOLEX INCORPORATED	
SHEET NO.	1 OF 2

MATERIAL NUMBER ASSIGNMENT

73942-* * 0 0

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "H"
0	72	23.84	22.00	2.0
1	144	47.84	46.00	2.0
2	72	23.84	22.00	2.5
3	144	47.84	46.00	2.5
4	72	23.84	22.00	3.0
5	144	47.84	46.00	3.0
6	72	23.84	22.00	3.5
7	144	47.84	46.00	3.5

NUMBER	DIM "M"
0	5.0
1	5.5
2	6.0

SEE SHEET 1 EC No. U81577 DRWN:JBINGHAM 98/0203 CHK: SREED 98/0203 APPR:CBIXLER 98/0203 A	DESCRIPTION REV	QUALITY SYMBOLS MAJOR =0 CRITICAL C=0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE --:--	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV
			☐ mm ☐ INCH	☒ mm ONLY	REVISE ON CAD ONLY						
			4 PLACES ±0.	±.	DRAWN BY & DATE JBINGHAM 98/01/13			TITLE: SALES ASSY, HDM BACKPLANE OPEN END OPTION SOLDER TAIL VERSION			
			3 PLACES ±0.	±.	CHECKED BY & DATE SREED 98/01/13						
			2 PLACES ±0.N/A	±.	APPROVED BY & DATE CBIXLER 98/01/13			MOLEX INCORPORATED			
1 PLACE ±0.N±A	±.	CAD FILENAME S73942X2.DGN		MATERIAL NO. SEE CHART	DRAWING NO. SD-73942-001	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.						