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Part Number: [0737690100](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, Press-Fit, Open End Option, 72 Circuits

Documents:

3D Model	Product Specification PS-73780-999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

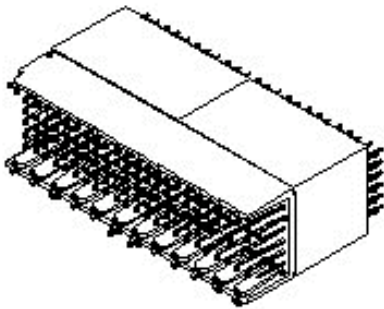
CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73769
Application	Backplane, Mezzanine
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
Color - Resin	Black
Durability (mating cycles max)	200
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-Lead
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 Retention	None
PCB Thickness Recommended (in)	0.055 In
PCB Thickness Recommended (mm)	1.40 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)	15
Plating min: Termination (µm)	0.375
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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

[73769Series](#)

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

Termination Interface: Style

Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact

1A

Data Rate

1.0 Gbps

Real Signals (per 25mm)

72

Voltage - Maximum

100V AC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-0870

Product Specification

PS-73780-999

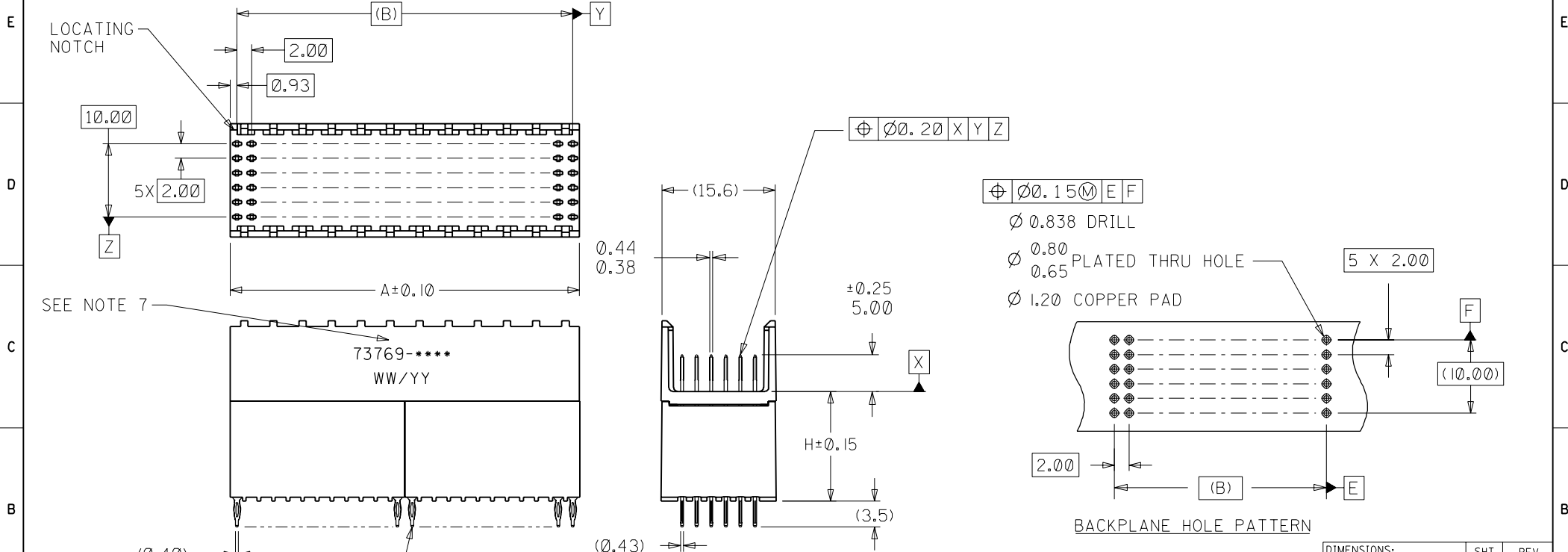
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- NOTES:
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK. TERMINAL-PHOSPHOR BRONZE
 2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
 4. DIMENSIONS ARE IN MILLIMETERS.
 5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM.
 6. PACKAGE PER PK-70873-0870, PK-70873-0871, OR PK-70873-0875.
 7. PARTS MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

4	3	2	73769	
ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"
73769-0100	72	23.84	22.00	15.05
73769-0200	72	23.84	22.00	6.05
73769-0300	72	23.84	22.00	10.05
73769-1100	144	47.84	46.00	15.05
73769-1200	144	47.84	46.00	6.05
73769-1300	144	47.84	46.00	10.05



⌀0.15 (M) X Y Z

REVISED EC NO. UDT2000-1073 DRWN: BINGHAM 00/05/08 CHK: REED 00/05/08 APPR: BIXLER 00/05/08 F	DESCRIPTION MAJOR CRITICAL	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV	
		MAJOR CRITICAL		mm	INCH	DRAWN BY & DATE JBINGHAM 97/03/07		TITLE: SALES ASSEMBLY HDM BACKPLANE STACKING MODULE OPEN END OPTION PRESSFIT					
			4 PLACES	±0.	±.	CHECKED BY & DATE SREED 97/03/07		MOLEX INCORPORATED					
			3 PLACES	±0.	±.	APPROVED BY & DATE CBIXLER 97/03/07							
			2 PLACES	±0.05	±.	CAD FILENAME S73769X1.DGN							MATERIAL NO. SEE CHART
			1 PLACE	±0.10	±.	ANGULAR: ± 1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B									