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Part Number: [0737701309](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Closed End Option, 144 Circuits

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-73780-999 \(PDF\)](#)

Agency Certification

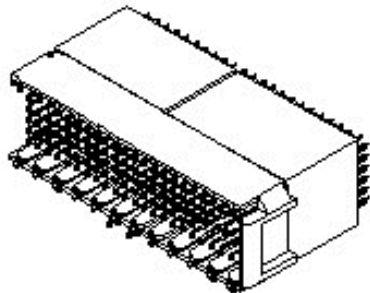
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73770](#)
Application Backplane, Mezzanine
Comments Closed End Option
Component Type PCB Header
Overview [hdm](#)
Product Name HDM®
Style N/A

Physical

Circuits (Loaded) 144
Circuits (maximum) 144
Color - Resin Black
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) 0.142 In
PC Tail Length (mm) 3.60 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) 15
Plating min: Termination (µm) 0.375



Series

image - Reference only

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

[73770Series](#)

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.*

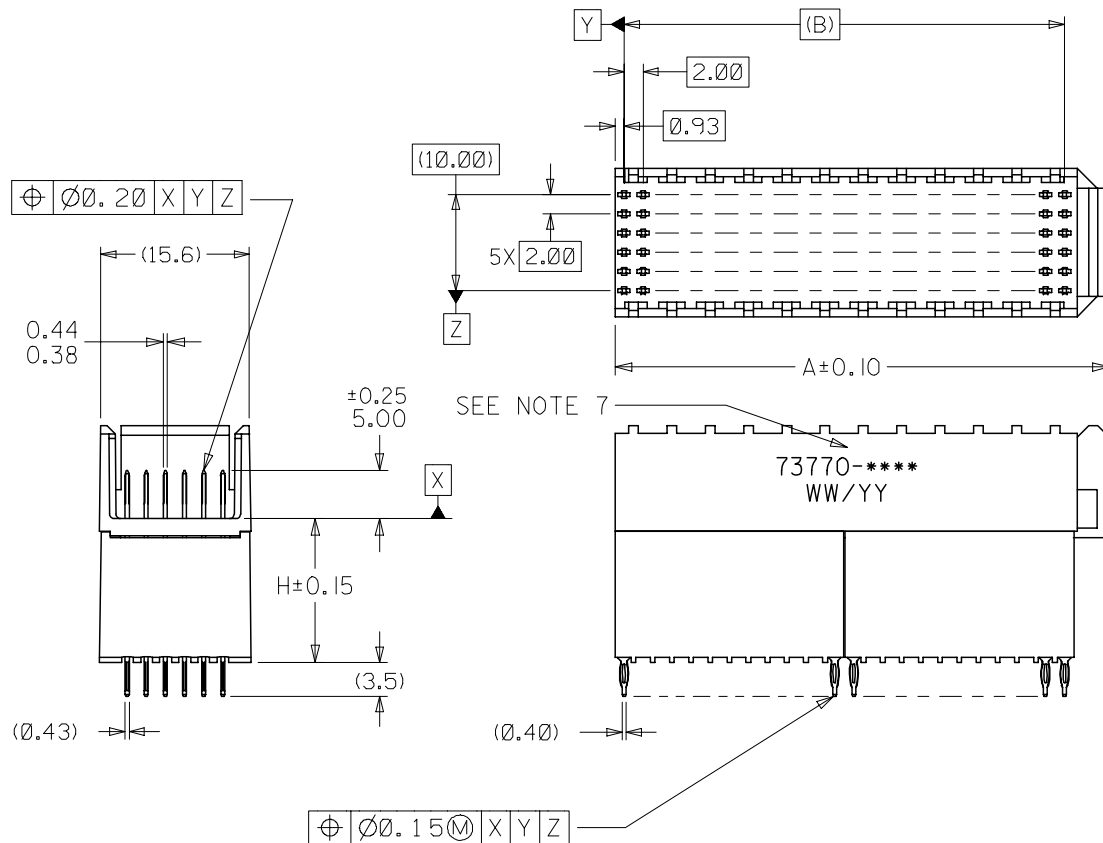
Global

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-70873-0870		
Product Specification	PS-73780-999		
Sales Drawing	SD-73770-002		
HDM and High Density Metric are trademarks of Amphenol Corporation			

This document was generated on 05/14/2010

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NOTES:

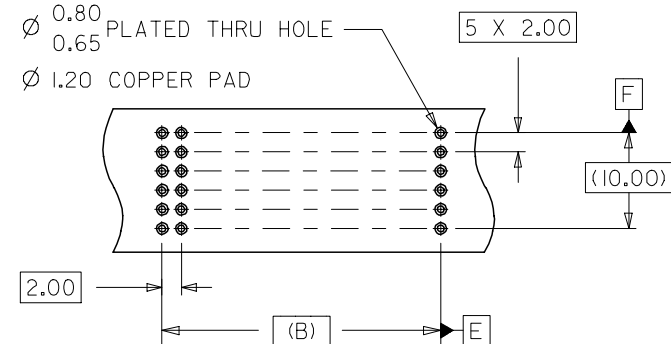
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED UL 94V-0, COLOR: BLACK, TERMINAL: PHOSPHOR BRONZE
2. FINISH: SELECTIVE GOLD (AU) IN CONTACT AREA, 0.76 MICROMETER MINIMUM THICKNESS; SELECTIVE TIN (Sn) ON TAILS, 0.38 MICROMETER MINIMUM THICKNESS; NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS 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-70837-0870, PK-70873-0871, OR PK-70873-00875
7. PART MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

⌀0.15ⓂEF

⌀ 0.838 DRILL

⌀ 0.80
0.65 PLATED THRU HOLE

⌀ 1.20 COPPER PAD



BACKPLANE HOLE PATTERN

ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"
73770-0109	72	27.6	22.00	15.05
73770-0209	72	27.6	22.00	6.05
73770-0309	72	27.6	22.00	10.05
73770-1109	144	51.6	46.00	15.05
73770-1209	144	51.6	46.00	6.05
73770-1309	144	51.6	46.00	10.05

INITIAL RELEASE EC NO: UCP2005-2847 DRW:MSI.BARRA 2005/07/25 CHKD:BSMART 2005/07/26 APPR:SMILLER 2005/07/27	DESCRIPTION	QUALITY SYMBOLS
		▽=0
		▽=0
		REV

	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		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
DRAWN BY MIBARRA	DATE 05/07/06	TITLE SALES ASSY HDM BACKPLANE STACKING MODULE CLOSED END OPTION PRESSFIT		
CHECKED BY BSMART	DATE 05/07/06			
APPROVED BY SMILLER	DATE 05/07/06	 MOLEX INCORPORATED		
MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-73770-002		SHEET NO. 1 OF 1
SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			