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Part Number: [0737701100](#)
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:

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

Agency Certification

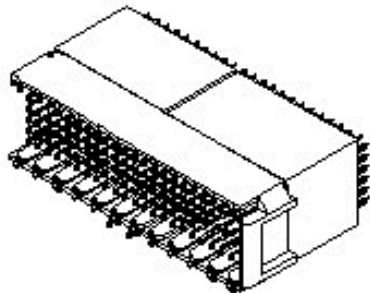
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [73770](#)
Application Backplane, Mezzanine
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) 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 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 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



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

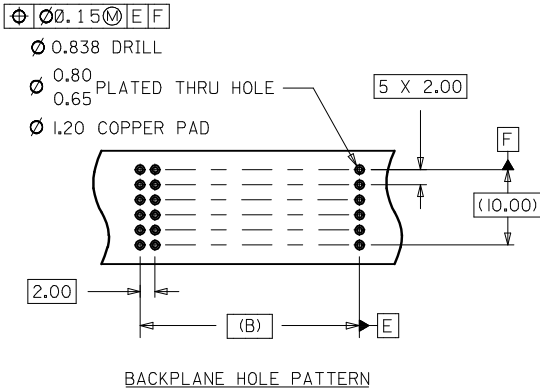
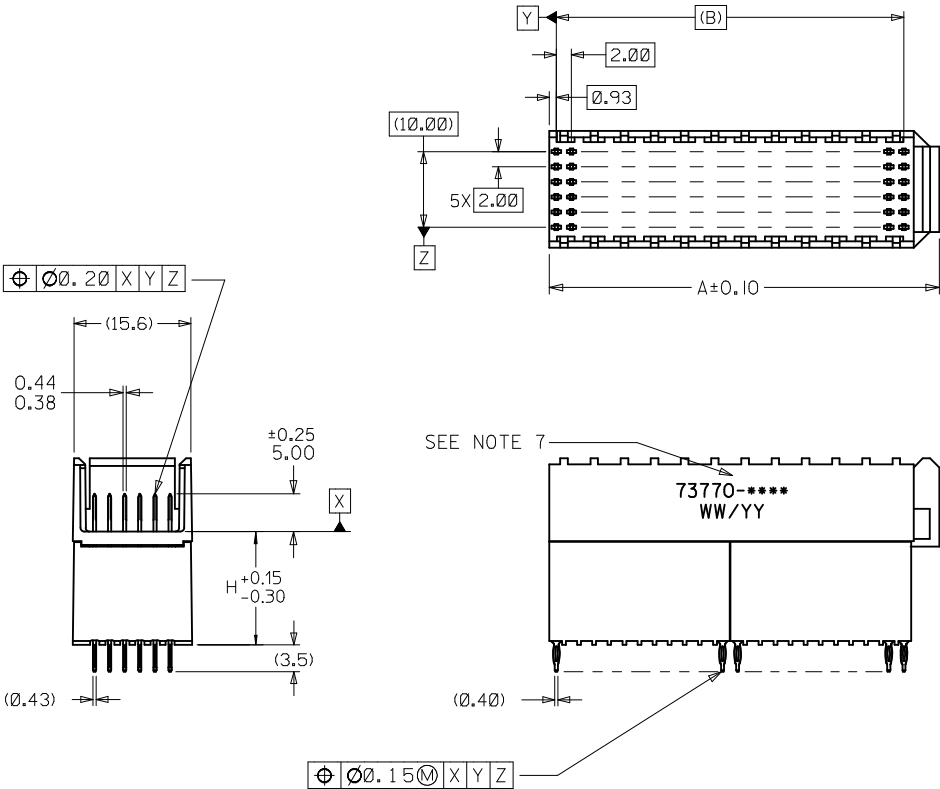
Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
HDM® Backplane Insertion Signal Contact Tool	0621001400
HDM® Backplane Insertion Head for 144 Positions	0622005703

Termination Interface: Style	Through Hole - Compliant Pin	Extraction Tool	0621001000
Electrical			
Current - Maximum per Contact	1A		
Data Rate	1.0 Gbps		
Real Signals (per 25mm)	72		
Voltage - Maximum	250V AC		
Material Info			
Reference - Drawing Numbers			
Packaging Specification	PK-70873-0870		
Product Specification	PS-73780-999		
Sales Drawing	SD-73770-001		
HDM and High Density Metric are trademarks of Amphenol Corporation			

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13	12	11	10	9	8	7	6	5	4	3	2	1
ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"								
73770-0100	72	27.6	22.00	15.05								
73770-0200	72	27.6	22.00	6.05								
73770-0300	72	27.6	22.00	10.05								
73770-1100	144	51.6	46.00	15.05								
73770-1200	144	51.6	46.00	6.05								
73770-1300	144	51.6	46.00	10.05								



- NOTES:
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94-0, COLOR: BLACK, TERMINAL - PHOSPHOR BRONZE
 2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076 MINIMUM THICKNESS, SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
 4. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS C.
 5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM.
 6. PACKAGE PER PK-70873-0875.
 7. PARTS MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

REVISE DIM H TOL EC NO: UCP2008-3186 DRWN:SDANWELLEY 2008/07/29 CHKD:MS1BARRA 2008/09/11 APPR:SMILLER 2008/09/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm		INCH	DRAWN BY JB INGHAM	DATE 1997/03/07	TITLE SALES ASSEMBLY HDM BACKPLANE STACKING MOD CLOSED END OPT PRESSFIT				
			4 PLACES	± ---		± ---	CHECKED BY SREED	DATE 1997/03/07					
			3 PLACES	± ---		± ---	APPROVED BY CB IXLER	DATE 1997/03/07					
			2 PLACES	± 0.05		± ---	MATERIAL NO.		DOCUMENT NO. SD-73770-001				
			1 PLACE	± 0.10		± ---	SIZE C						
			ANGULAR ±1/2°				SEE TABLE		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										