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Part Number: [0737822200](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Closed 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

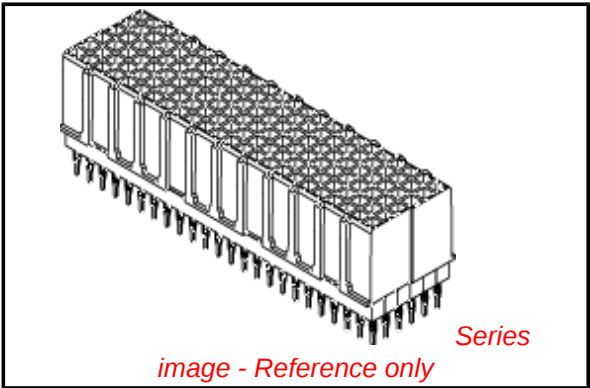
Product Family	Backplane Connectors
Series	73782
Application	Backplane, Mezzanine
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A

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)	0.098 In
PC Tail Length (mm)	2.50 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
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps



EU RoHS **China RoHS**

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

[73782Series](#)

Mates With

[73632](#) HDM PLUS® Board-to-Board Daughtercard Receptacle. [73780](#) HDM® Board-to-Board Daughtercard Receptacle

Real Signals (per 25mm)	72
Voltage - Maximum	100V AC

Material Info

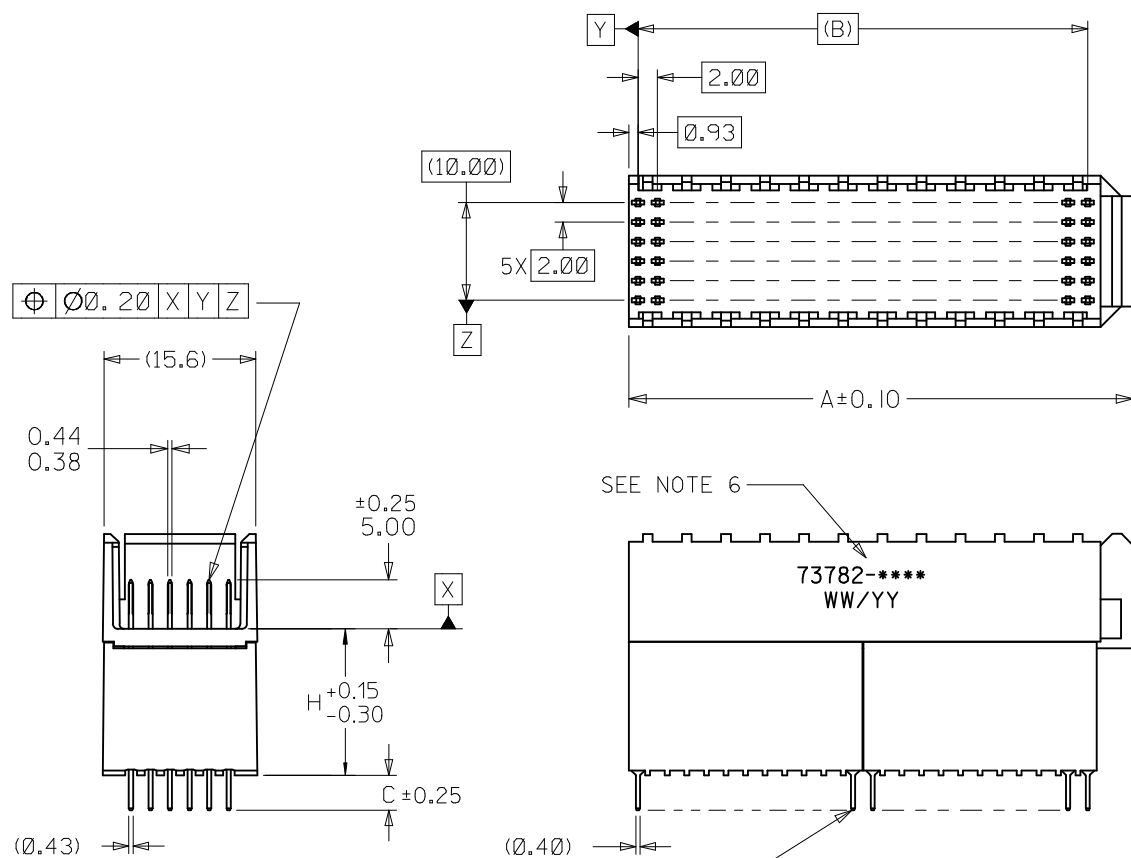
Reference - Drawing Numbers

Packaging Specification	PK-70873-0875
Product Specification	PS-73780-999
Sales Drawing	SD-73782-001

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This document was generated on 05/14/2010

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SEE NOTE 6

⊕ Ø0.15 (M) X Y Z

NOTES:

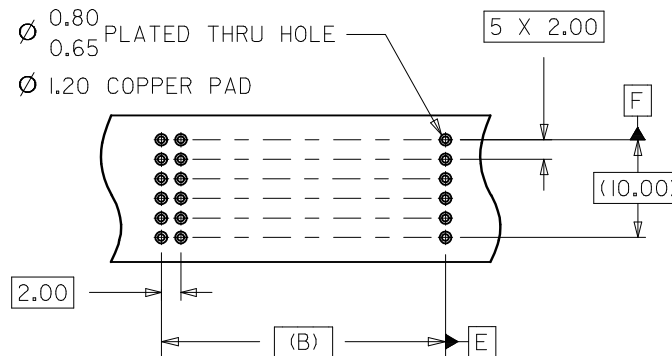
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK.
TERMINAL-PHOSPHOR BRONZE
2. FINISH:
0.75 MICROMETERS MINIMUM SELECTIVE GOLD IN MATING AREA
2.50 MICROMETERS MINIMUM SELECTIVE TIN IN TAIL AREA
NICKEL UNDERPLATE OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS C.
5. PACKAGE PER PK-70873-0870, PK-70873-0871, OR PK-70873-0875.
6. PARTS MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

⊕ Ø0.15 (M) E F

Ø 0.838 DRILL

Ø 0.80
0.65 PLATED THRU HOLE

Ø 1.20 COPPER PAD



BACKPLANE HOLE PATTERN

REVISE DIM H TOL EC NO: UCP2008-3186 DRWN:SDANNELLEY 2008/07/29 CHKD:MSIBARRA 2008/09/11 APPR:SMILLER 2008/09/16	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JB INGHAM	DATE 1997/04/25	TITLE SALES ASSEMBLY, HDM BACKPLANE STACKING MOD CLOSED END SOLDER MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY SREED	DATE 1997/04/25			
			3 PLACES	± ---	± ---	APPROVED BY CBIXLER	DATE 1997/04/25			
			2 PLACES	± 0.05	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
			1 PLACE	± 0.10	± ---	SEE TABLE		SD-73782-001	1 OF 2	
			ANGULAR ±1/2°							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
H	REV									

MATERIAL NUMBER ASSIGNMENT

73782-* * 0 0

NUMBER	CIRCUIT SIZE	DIM "A"	DIM "B"	DIM "C"
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 "H"
1	15.05
2	6.05
3	10.05

SEE SHEET 1 EC NO: UCP2008-3186 DRAWN: SPANIELLEY 2008/07/29 CHKD: MSIBARRA 2008/09/11 APPR: SMILLER 2008/09/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	4 PLACES	± ---	± ---	DRAWN BY JB INGHAM	DATE 1997/04/25	TITLE SALES ASSEMBLY, HDM BACKPLANE STACKING MOD CLOSED END SOLDER			
			3 PLACES	± ---	± ---	CHECKED BY	DATE				
			2 PLACES	± 0.05	± ---	SREED	1997/04/25	MOLEX INCORPORATED			
			1 PLACE	± 0.10	± ---	APPROVED BY CBIXLER	DATE 1997/04/25				
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				SEE TABLE		SD-73782-001		2 OF 2			
				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

MATERIAL NUMBER ASSIGNMENT

73782-* * 0 0

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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 "H"
1	15.05
2	6.05
3	10.05

SEE SHEET 1 EC NO. UDT2000-1073 DRWN:JBINGHAM 0000508 CHK: REED 0000508 APPR:CBIXLER 0000508 F	DESCRIPTION MAJOR CRITICAL	QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE NO:NE	DESIGN UNITS ☒ mm ☐ INCH	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
								THIRD ANGLE PROJECTION			
						DRAWN BY & DATE JBINGHAM 97/04/25		TITLE: SALES ASSEMBLY			
						CHECKED BY & DATE SREED 97/04/25		HDM BACKPLANE STACKING MODULE			
				2 PLACES ±0.1N/A		APPROVED BY & DATE CBIXLER 97/04/25		CLOSED END OPTION SOLDER TAIL			
				1 PLACE ±0.1NA/		CAD FILENAME S73782X2.DGN		MOLEX INCORPORATED			
				ANGULAR: ± °		MATERIAL NO. SEE CHART		DRAWING NO. SD-73782-001		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.					