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Part Number: [0737825300](#)
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	73782
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)	0.118 In
PC Tail Length (mm)	3.00 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)	100
Plating min: Termination (µm)	2.5
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C

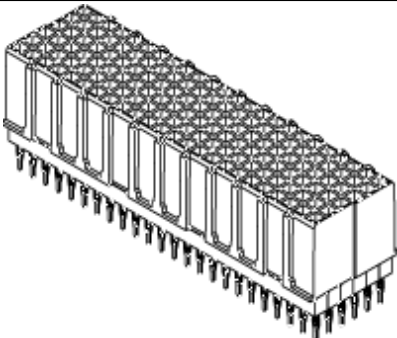


image - Reference only **Series**

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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

[73782Series](#)

Mates With

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

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	72
Voltage - Maximum	100V AC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0871
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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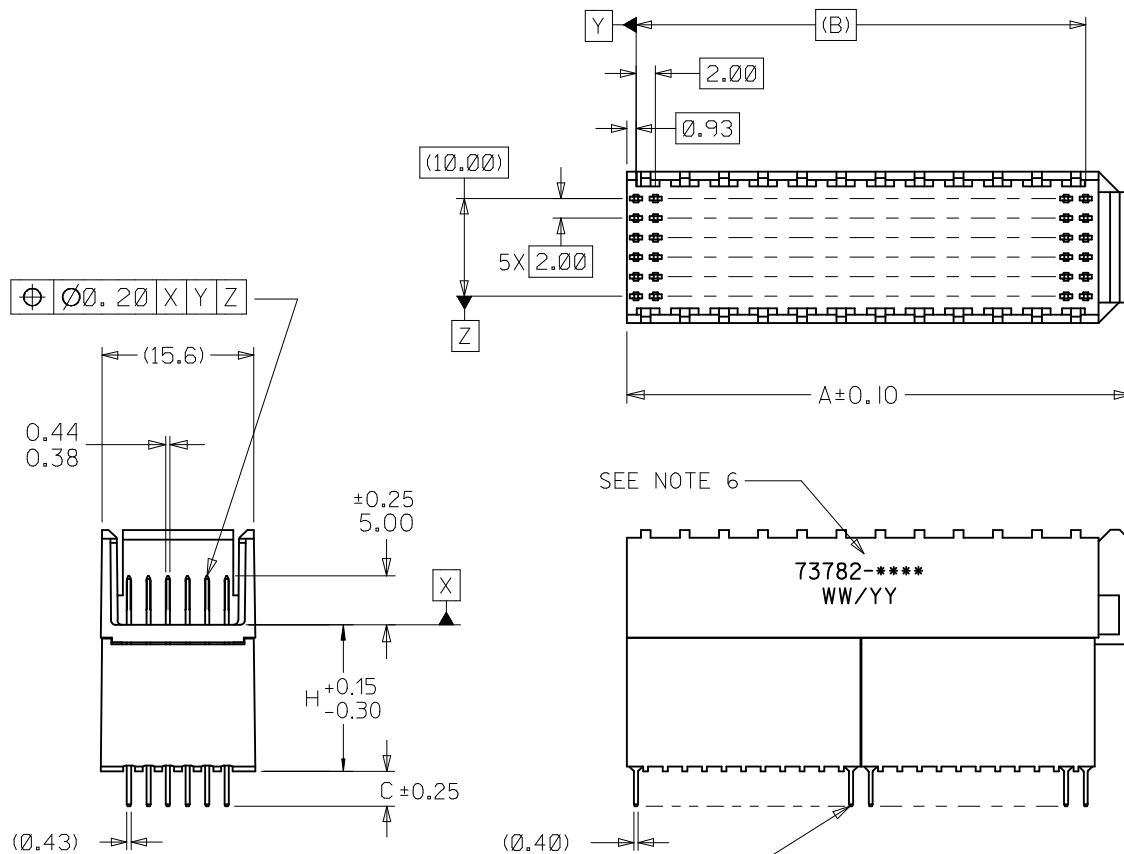
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73782

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.

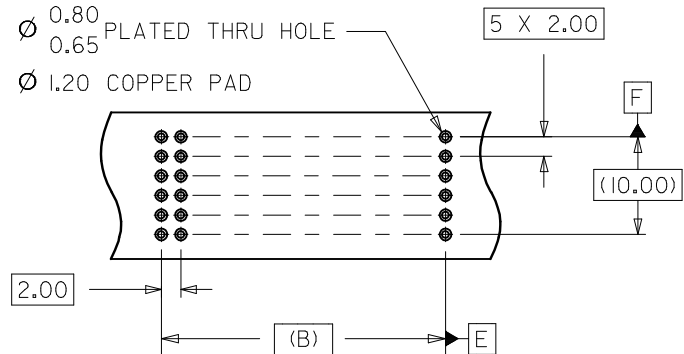


⊕ Ø0.15 (M) E F

Ø 0.838 DRILL

Ø 0.80
0.65 PLATED THRU HOLE

Ø 1.20 COPPER PAD



BACKPLANE HOLE PATTERN

⊕ Ø0.15 (M) X Y Z

REVISE DIM H TOL
EC NO: UCP2008-3186
DRWN: SCANNELLEY 2008/07/29
CHKD: MSIBARRA 2008/09/11
APPR: SMILLER 2008/09/16

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	
MM ONLY	
DRAWN BY	DATE
JBINGHAM	1997/04/25
CHECKED BY	DATE
SREED	1997/04/25
APPROVED BY	DATE
CBIXLER	1997/04/25
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND

SCALE 2:1		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION	
TITLE					
SALES ASSEMBLY, HDM BACKPLANE STACKING MOD CLOSED END SOLDER					
 MOLEX INCORPORATED					
DOCUMENT NO. SD-73782-001					SHEET NO. 1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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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	mm	INCH	DRAWN BY JB INGHAM	DATE 1997/04/25	TITLE SALES ASSEMBLY, HDM BACKPLANE STACKING MOD CLOSED END SOLDER				
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY SREED	DATE 1997/04/25					
			2 PLACES ± 0.05 ± ---	1 PLACE ± 0.10 ± ---	APPROVED BY CBIXLER	DATE 1997/04/25	MOLEX INCORPORATED				
			ANGULAR ±1/2°		MATERIAL NO. SEE TABLE						
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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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
						DRAWN BY & DATE JBINGHAM 97/04/25		THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
						CHECKED BY & DATE SREED 97/04/25		TITLE: SALES ASSEMBLY HDM BACKPLANE STACKING MODULE CLOSED END OPTION SOLDER TAIL			
						APPROVED BY & DATE CBIXLER 97/04/25		MOLEX INCORPORATED			
						CAD FILENAME S73782X2.DGN		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.					