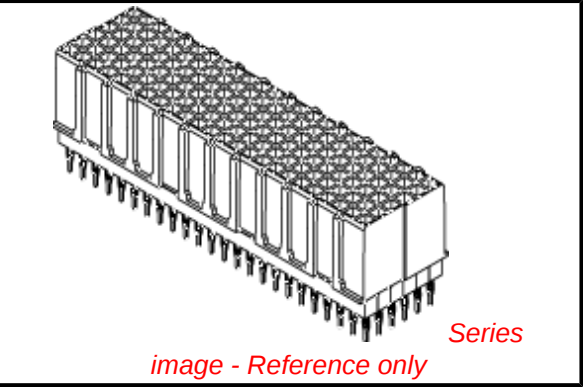


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Part Number: [0737802243](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 72 Circuits, Mounted Height 13.00mm (.512"), Pin Length 3.00mm (.118"), Press Fit



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

General	
Product Family	Backplane Connectors
Series	73780
Application	Daughtercard, Mezzanine
Comments	Press Fit Tail
Component Type	PCB Receptacle
Overview	hdm
Product Name	HDM®
Style	N/A
Physical	
Circuits (Loaded)	72
Circuits (maximum)	72
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Tin
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)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 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)	35
Plating min: Termination (µm)	0.88
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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
[73780Series](#)

Mates With
HDM® Board-to-Board Backplane Header [73642](#) , [73643](#) , [73644](#) , [73942](#) , [73943](#) , [73944](#) , [74349](#) , [74428](#). HDM® Board-to-Board Stacking Header [73769](#) , [73770](#) , [73782](#) , [73783](#) , [73771](#)

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	15A, 1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	75
Shielded	No
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers

Product Specification	PS-73780-999
Sales Drawing	SD-73780-001

HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

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MATERIAL NUMBER ASSIGNMENT

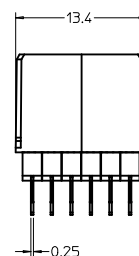
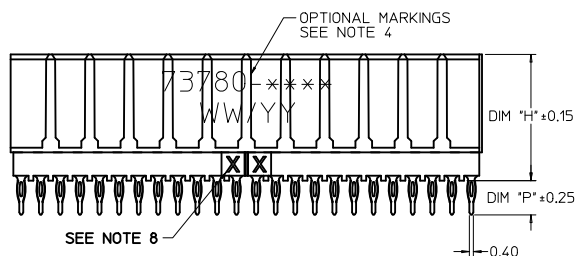
7 3 7 8 0 - * * *

2 = 72 CKT PRESS-FIT
3 = 144 CKT PRESS-FIT

1 = NO MARKINGS
2 = MARKINGS
8 = NO MARKINGS (LEADFREE)
9 = MARKINGS (LEADFREE)

DIM 'H'
3 = 13.0
4 = 14.0
5 = 15.0
6 = 16.0
7 = 17.0

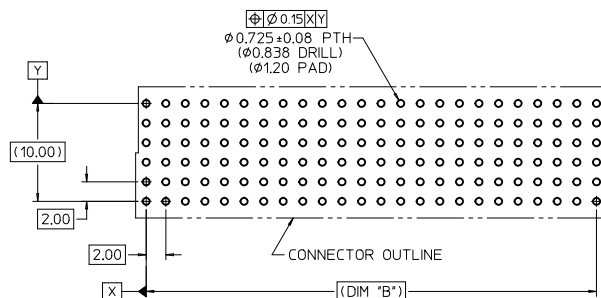
DIM 'P'
4 = 3.00
5 = 3.50
6 = 4.00



NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, SELECTIVE TIN/LEAD (Sn/Pb) OR MATTE TIN (Sn) ON TAILS; NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. MARKINGS SHOWN FOR REFERENCE ONLY. SEE MATERIAL NUMBER ASSIGNMENT DIAGRAM FOR CORRECT NUMBER. MARKINGS TO INCLUDE MATERIAL NUMBER AND DATE CODE AND CAN BE LOCATED ANYWHERE ON PART, IN ANY ORIENTATION.
5. 73780-***7 AND -***0 PARTS TO BE PACKAGED IN TUBES PER PK-70873-0872. ALL OTHER PARTS TO BE PACKAGED IN TUBES PER PK-70873-0900.
6. 144-CIRCUIT HDM DAUGHTERCARD STACKING MODULE WITH PRESS-FIT TAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
7. TRUE POSITION OF PC TAILS IS INSPECTED USING GAUGE NUMBER 73727-0014.
8. MARKINGS MAY BE ORIENTATED TOWARDS EITHER SIDE OF CONNECTOR.

PCB LAYOUT: COMPONENT SIDE



Ø 0.725 ± 0.08 PTH
(Ø 0.838 DRILL)
(Ø 1.20 PAD)

73780-3***	144	48.17	46.00	47.6
73780-2***	72	24.17	22.00	23.6
MATERIAL NUMBER	CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'

UPDATE TO PF ONLY EC NO: UCP2010-1860 DRAWN BY: CHOKSOMMELLY APPROVED BY: MILLER DATE: 2010/01/22 DATE: 97/04/24 DATE: 2010/02/08	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION 2010/02/08	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm INCH		DRAWN BY DATE REED 97/04/24		TITLE SALES ASSEMBLY, HDM DAUGHTERCARD STACKING MODULE, PRESS-FIT ONLY					
			3 PLACES ± --- ± ---		CHECKED BY DATE BINGHAM 97/04/24		MOLEX INCORPORATED					
			2 PLACES ± 0.05 ± ---		APPROVED BY DATE SMILLER 2010/02/08							
			1 PLACE ± 0.10 ± ---		MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-73780-001		SHEET NO. 1 OF 1
			ANGULAR ± 2°		SIZE 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									