

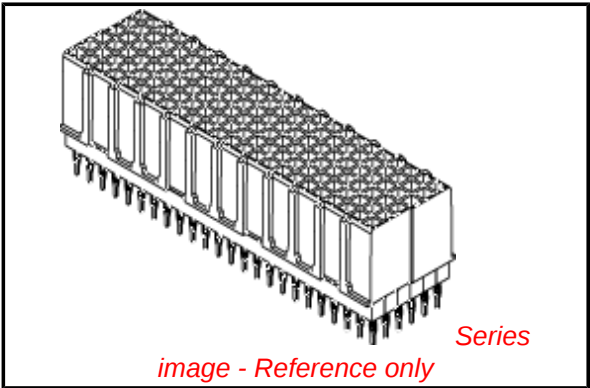
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Part Number: [0737802253](#)
Status: **Active**
Overview: [hdm](#)
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 72 Circuits, Mounted Height 13.00mm (.512"), Pin Length 3.50mm (.138"), Press 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) 0.138 In
PC Tail Length (mm) 3.50 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
Halogen-Free

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

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This document was generated on 05/25/2010

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MATERIAL NUMBER ASSIGNMENT

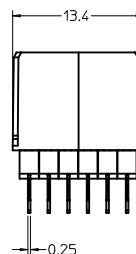
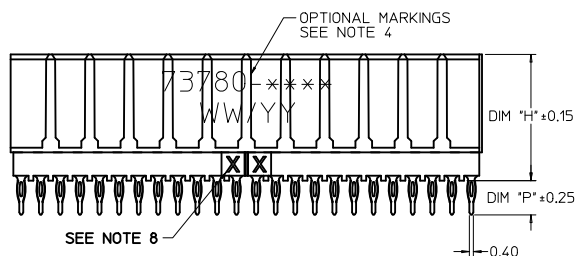
7 3 7 8 0 - * * *

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

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

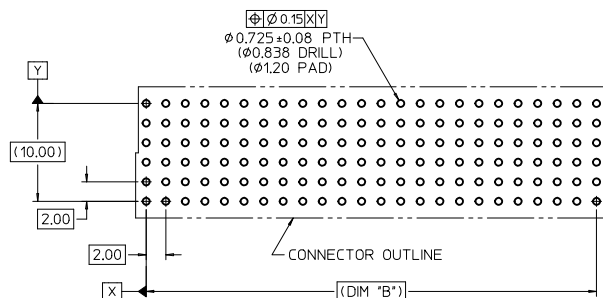
DIM 'H'
3 = 13.0
4 = 14.0
5 = 15.0
6 = 16.0
7 = 17.0

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

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		DATE: 97/04/24		APPROVED BY: MILLER		DATE: 2010/02/08			
QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
▽=0		mm				INCH		DRAWN BY		DATE		TITLE	
▽=0		4 PLACES ± 0.05				+/-		REED		97/04/24		SALES ASSEMBLY, HDM DAUGHTERCARD STACKING MODULE, PRESS-FIT ONLY	
▽=0		3 PLACES ± 0.05				+/-		CHECKED BY		DATE		MOLEX INCORPORATED	
		2 PLACES ± 0.05				+/-		BINGHAM		97/04/24			
		1 PLACE ± 0.10				+/-		APPROVED BY		DATE			
		ANGULAR ± 2 °						MILLER		2010/02/08			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
								SEE TABLE		SD-73780-001		1 OF 1	
						SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					