

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0737802166

Status:

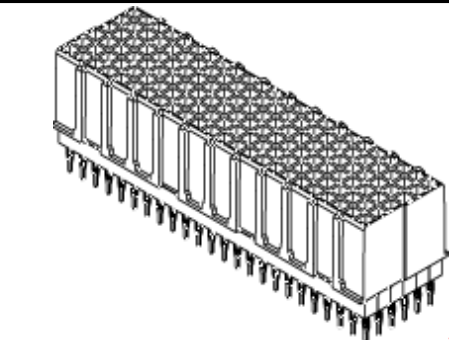
Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 72 Circuits, Mounted Height 16.00mm (.630"), Pin Length 4.00mm (.157"), Press Fit



Series
image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [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)	0.157 In
PC Tail Length (mm)	4.00 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
Temperature Range - Operating	-55°C to +105°C

[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
[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](#)

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



MATERIAL NUMBER ASSIGNMENT

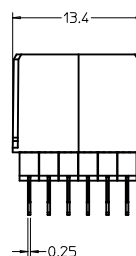
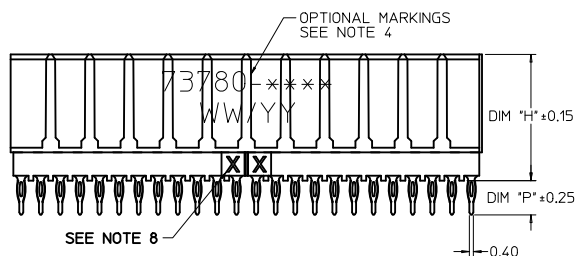
7 3 7 8 0 - * * *

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

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

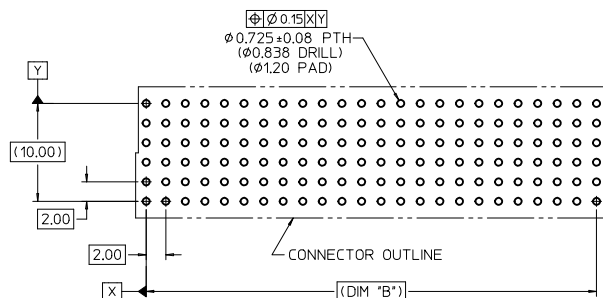
DIM "H"
3 = 13.0
4 = 14.0
5 = 15.0
6 = 16.0
7 = 17.0

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