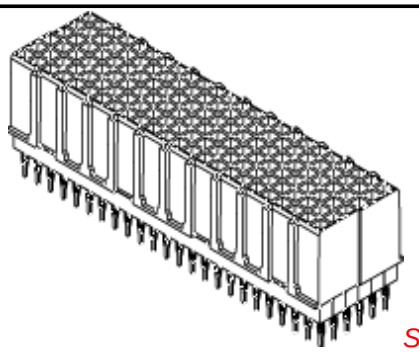
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This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0737805143
Status: Active
Overview: hdm
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 120 Circuits, Mounted Height 13.00mm (.511"), Pin Length 3.00mm (.118"), Press Fit

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

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)	120
Circuits (maximum)	120
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	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 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	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

EU RoHS
Not RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
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

Electrical

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

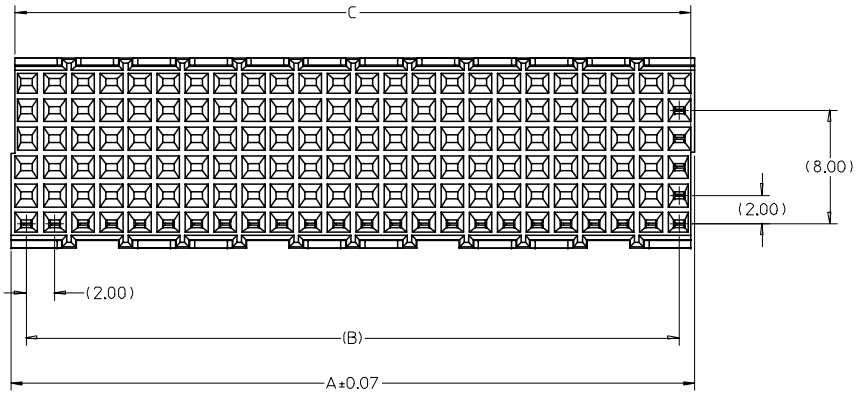
Material Info

Reference - Drawing Numbers

Sales Drawing	SD-73780-003

HDM and High Density Metric are trademarks of Amphenol Corporation

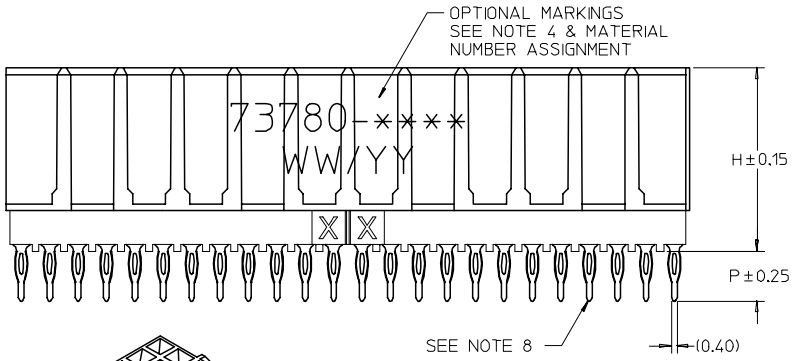
73780

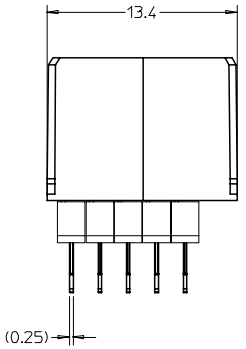


MATERIAL NUMBER ASSIGNMENT

7 3 7 8 0 - * * * *

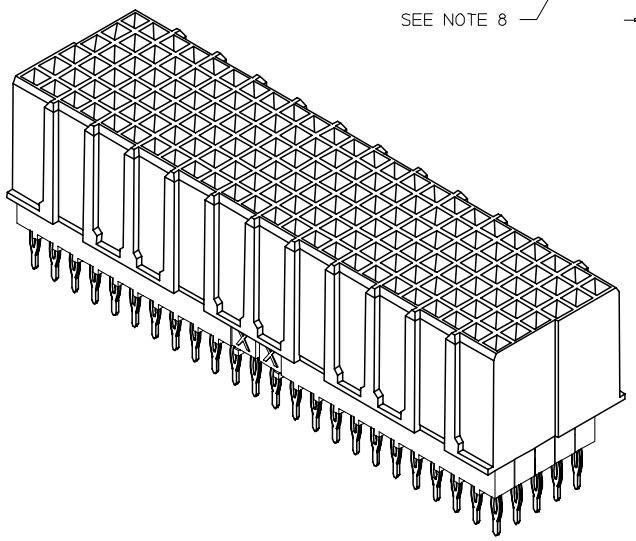
- 4 = 60-CKT PRESS-FIT
- 5 = 120-CKT PRESS-FIT
- 1 = NO MARKINGS
- 2 = MARKINGS
- DIM "P"
  - 4 = 3.00
  - 5 = 3.50
  - 6 = 4.00
- DIM "H"
  - 3 = 13.0
  - 4 = 14.0
  - 5 = 15.0
  - 6 = 16.0
  - 7 = 17.0

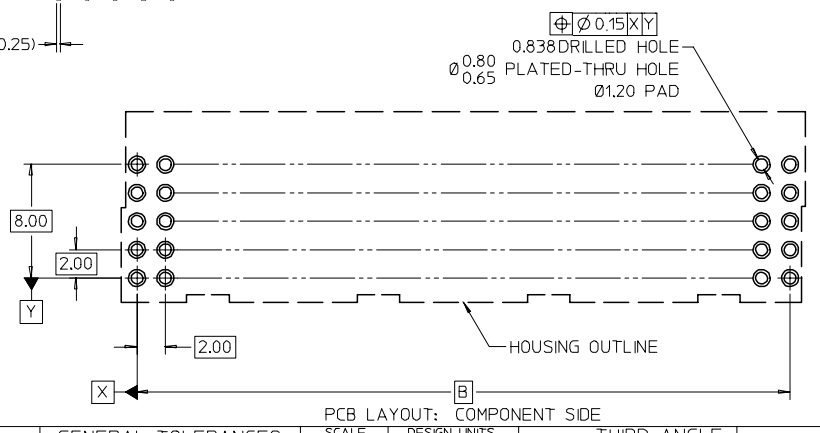




NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb), 0.00089mm MINIMUM THICKNESS ON PRESS-FIT TAILS, NICKEL (Ni) OVERALL
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. MARKINGS INCLUDE MATERIAL NUMBER AND DATE CODE. REFER TO NUMBER ASSIGNMENT CHART FOR CORRECT MATERIAL NUMBER.
5. 73780-***7 PARTS TO BE PACKAGED IN TUBES PER PK-70873-0872. ALL OTHER PARTS TO BE PACKAGED IN TUBES PER PK-70873-0900.
6. 120-CIRCUIT HDM DAUGHTERCARD STACKING MODULE WITH PRESS-FIT TAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
7. DIMENSIONS ARE IN MILLIMETERS.
8. TRUE POSITION OF PRESS-FIT TAILS IS INSPECTED USING GAUGE NUMBER 73727-0014.





PCB LAYOUT: COMPONENT SIDE

MATERIAL NO.	CIRCUIT SIZE	DIM A	DIM B	DIM C
73780-5***	120	48.17	46.00	47.6
73780-4***	60	24.17	22.00	23.6

EC NO: UDT2001-0968
DRWN: LMOSLEY 2001/05/23
CHKD: SREED 2001/05/23
APPR: CBIXLER 2001/05/23
DESCRIPTION
REV C

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

SCALE	DESIGN UNITS
4:1	METRIC

THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

DIMENSION STYLE: MM ONLY

DRAWN BY	DATE
S.REED	98/08/05
CHECKED BY	DATE
BINGHAM	98/08/05
APPROVED BY	DATE
C.BIXLER	98/08/05

TITLE: SALES ASSEMBLY, HDM DAUGHTERCARD STACKING MODULE, 5 ROW

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-73780-003	1 OF 1

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rev. B1 2000/08/01