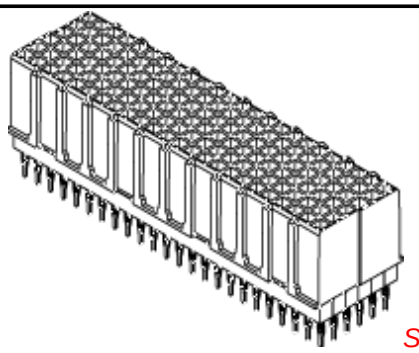
This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0738101204
Status: Active
Overview: hdm
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Midplane Header, Vertical SMC, Press-Fit, Double End Option, Slide On Housing, 144 Circuits



Series image - Reference only

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73810
Application	Midplane
Comments	Polar/Guide Version
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	N/A
Circuits (maximum)	144
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	Stainless Steel
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)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Polarized to PCB	N/A
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	0
Voltage - Maximum	250V AC

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
73810Series

Mates With
73632 HDM PLUS® Board-to-Board Daughtercard Receptacle. 73780 HDM® Board-to-Board Daughtercard Receptacle

Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-73810-001

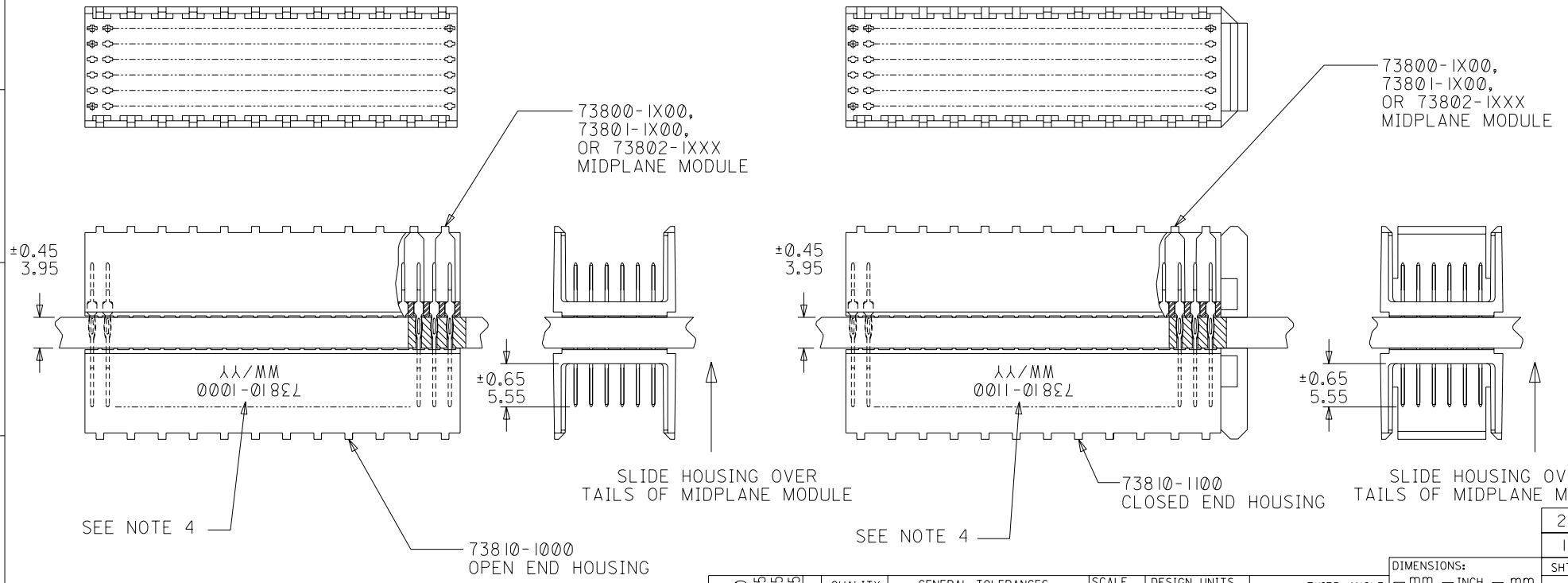
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1. HOUSING MATERIALS: LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK.
2. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
3. SEE DRAWINGS SD-73800-001, SD-73801-001, AND SD-73802-001 FOR DIMENSIONAL INFORMATION.
4. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.
5. PARTS PACKAGED PER PK-70873-0818.



2	B
1	D
SHT	REV

REVISE ON CAD ONLY

DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY

THIRD ANGLE PROJECTION

REVISED
EC NO. UCP2003-2260
DRWN: THOMAS 03/04/25
CH'K: BINGHAM 03/04/25
APPR: REED 03/04/25
DESCRIPTION

D
REV

QUALITY SYMBOLS
MAJOR ▼ =0
CRITICAL (C) =0

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.05	±.
1 PLACE	±0.10	±.
ANGULAR: ± 1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2 : 1

DESIGN UNITS ☒ mm ☐ INCH

DRAWN BY & DATE: JBINGHAM 97/06/19
CHECKED BY & DATE: SREED 97/06/19
APPROVED BY & DATE: CBIXLER 97/06/19

TITLE: SALES ASSEMBLY, HDM
DOUBLE-END MIDPLANE, 144 POS.
SLIDE-ON HOUSING

molex MOLEX INCORPORATED

CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.
S73810X1.DGN	SEE CHART	SD-73810-001	1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

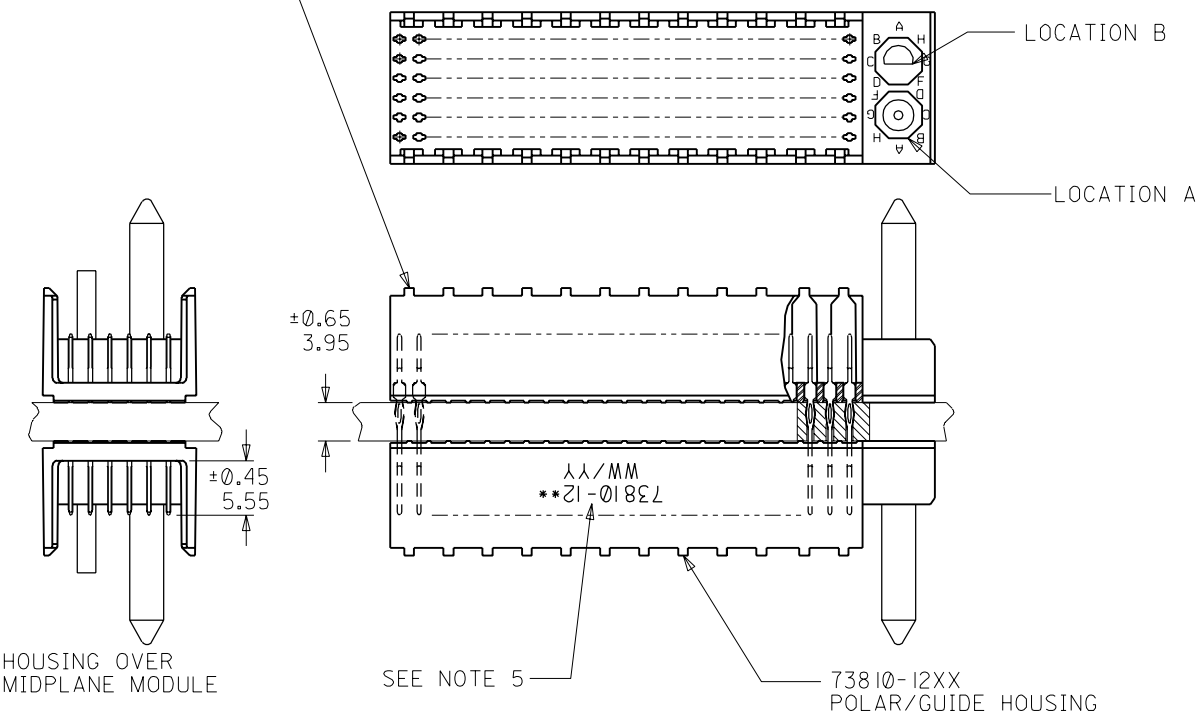
SIZE B

MATERIAL NUMBER ASSIGNMENT

73810- * * * *

1 = 144-CIRCUIT

0 = OPEN END VERSION
1 = CLOSED END VERSION
2 = POLAR/GUIDE VERSION



NUMBER	GUIDE POST LOCATION	POLAR KEY POSITION
00	N/A	N/A
01	B	A
02	A	
03	B	B
04	A	
05	B	C
06	A	
07	B	D
08	A	
09	B	E
10	A	
11	B	F
12	A	
13	B	G
14	A	
15	B	H
16	A	
17	B	N/A
18	A	

SEE SHEET 1
EC NO. UDT20000-0443
DRWN: JBINGHAM 99/11/04
CHK: SREED 99/11/04
APPR: CBIXLER 99/11/04
DESCRIPTION
B
REV

QUALITY SYMBOLS
MAJOR ▼ = 0
CRITICAL (C) = 0

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.05	±.
1 PLACE	±0.10	±.
ANGULAR: ± 1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2 : 1
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT | REV
REVISE ON CAD ONLY

DRAWN BY & DATE JBINGHAM 97/06/19
CHECKED BY & DATE SREED 97/06/19
APPROVED BY & DATE CBIXLER 97/06/19

TITLE: SALES ASSEMBLY, HDM
DOUBLE-END MIDPLANE, 144 POS.
SLIDE-ON HOUSING

molex MOLEX INCORPORATED

CAD FILENAME S73810X2.DGN
MATERIAL NO. SEE CHART
DRAWING NO. SD-73810-001
SHEET NO. 2
SIZE B

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