

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0738101203

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

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

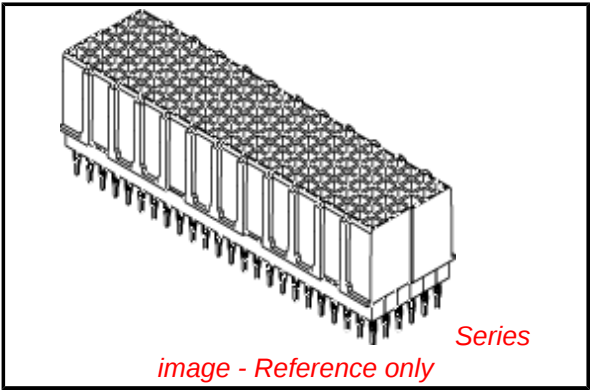
Physical

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

Material Info



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

[73810Series](#)

Mates With

[73632](#) HDM PLUS® Board-to-Board Daughtercard Receptacle. [73780](#) HDM® Board-to-Board Daughtercard Receptacle

Reference - Drawing Numbers

Sales Drawing

SD-73810-001

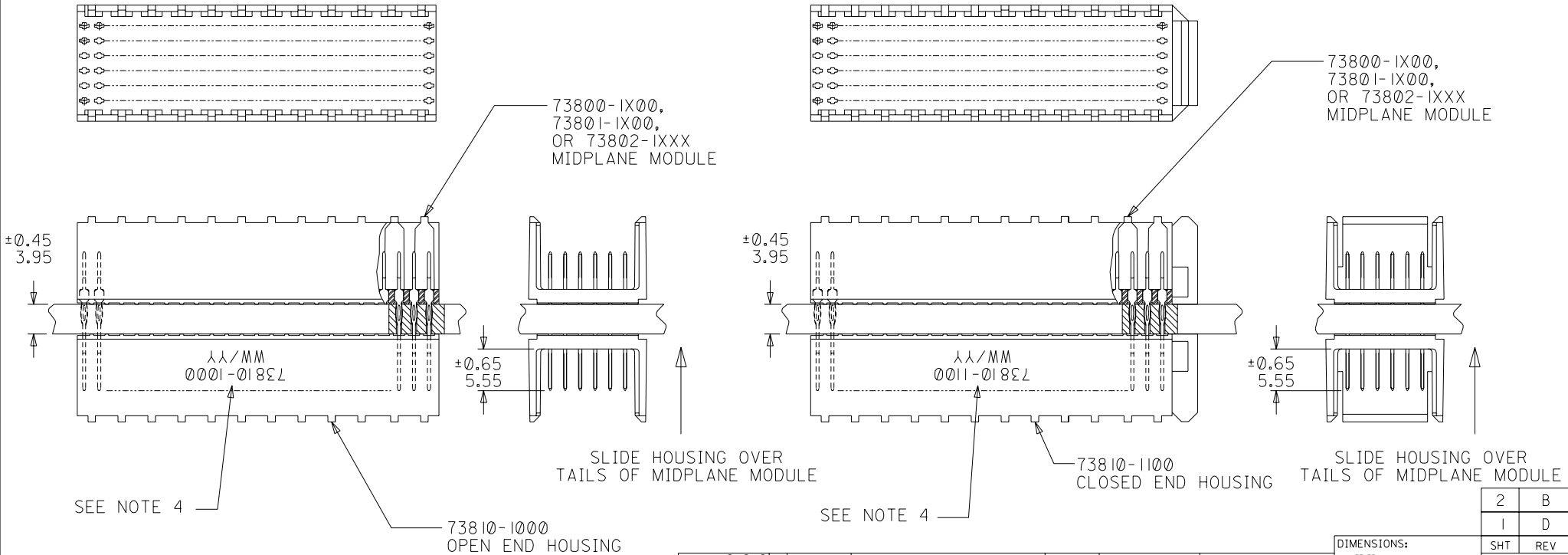
HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 05/14/2010

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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.



REVISED EC NO. UCP2003-2260 DRWN: THOMAS 03/04/25 CHK: BINGHAM 03/04/25 APPR: REED 03/04/25 D	DESCRIPTION MAJOR CRITICAL	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2 : 1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY	
		 = 0		mm	INCH	DRAWN BY & DATE JBINGHAM 97/06/19		TITLE: SALES ASSEMBLY, HDM DOUBLE-END MIDPLANE, 144 POS. SLIDE-ON HOUSING  MOLEX INCORPORATED				
		 = 0		4 PLACES	±0.	±.	CHECKED BY & DATE SREED 97/06/19					
				3 PLACES	±0.	±.	APPROVED BY & DATE CBIXLER 97/06/19					
				2 PLACES	±0.05	±.	CAD FILENAME S73810X1.DGN		MATERIAL NO. SEE CHART	DRAWING NO. SD-73810-001	SHEET NO. 1 OF 2	
				1 PLACE	±0.10	±.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					
				ANGULAR: ± 1/2°								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
							SIZE B					

10 9 8 7 6 5 4 3 2 73810

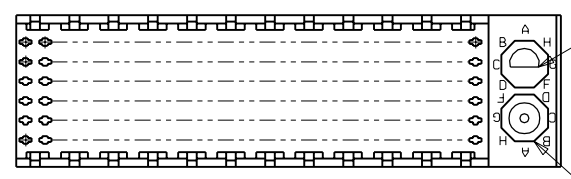
MATERIAL NUMBER ASSIGNMENT

73810- * * *

I = 144-CIRCUIT

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

73800-1X00,
73801-1X00,
OR 73802-1XXX
MIDPLANE MODULE



LOCATION B

LOCATION A

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



SLIDE HOUSING OVER
TAILS OF MIDPLANE MODULE

SEE NOTE 5

73810-12XX
POLAR/GUIDE HOUSING

SEE SHEET 1

EC NO: UDT2000-0443

DRWN: JBINGHAM 99/11/04

CHK: SREED 99/11/04

APPR: CBIXLER 99/11/04

B

DESCRIPTION

MAJOR
= 0

CRITICAL
= 0

REV

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

CAD FILENAME
S73810X2.DGN

THIRD ANGLE
PROJECTION

☐ mm ☐ INCH

☒ mm ONLY

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

MOLEX

MOLEX INCORPORATED

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-73810-001

SHEET NO.
2

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SIZE
B

SHT

REV

REVISE ON
CAD ONLY

9 8 7 6 5 4 3 2 1

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