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Part Number: [0738101205](#)
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

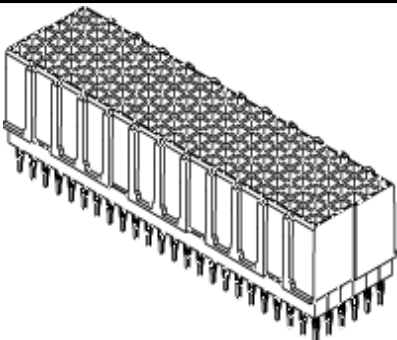
Circuits (Loaded) N/A
Circuits (maximum) 144
Color - Resin Black
Durability (mating cycles max) 250
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part Yes
Keying to Mating Part Yes
Material - Metal Stainless Steel
Material - Resin High Temperature Thermoplastic
Number of Columns 24
Number 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

Solder Process Data

Lead-free Process Capability Reflow Capable (SMT only)



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



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

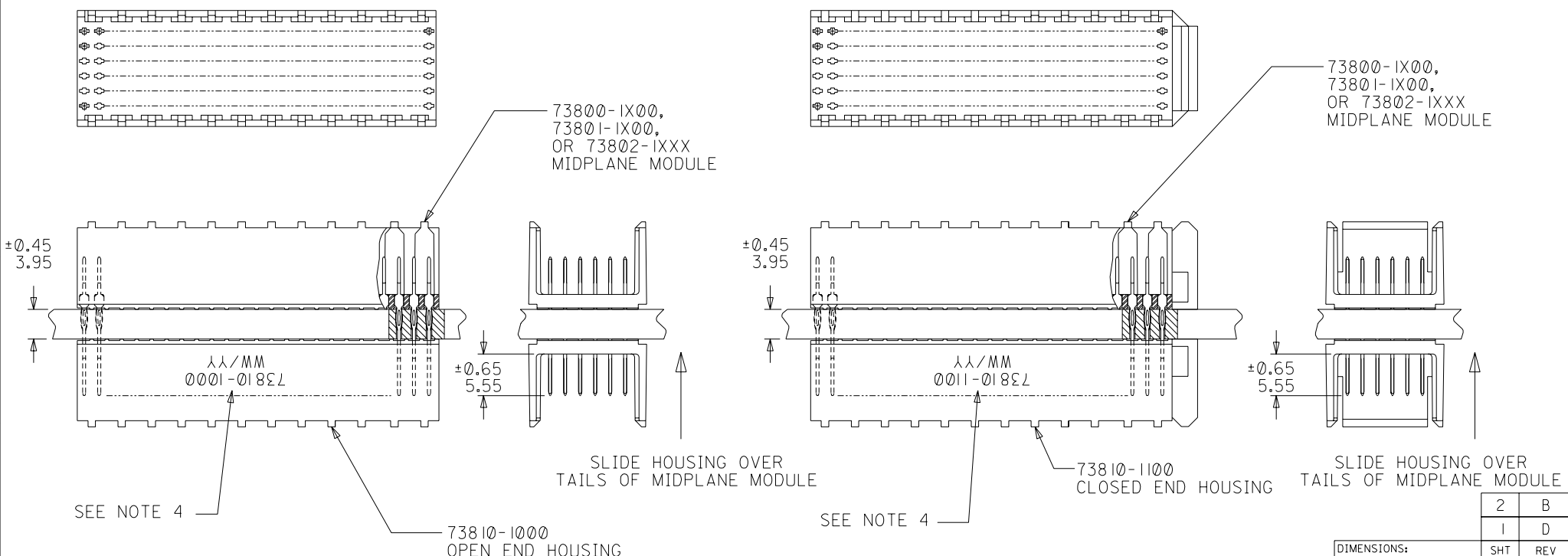
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-73810-001
HDM and High Density Metric are trademarks of Amphenol Corporation	

This document was generated on 05/14/2010

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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. LCP2003-2260 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						DRAWN BY & DATE JBINGHAM 97/06/19		TITLE: SALES ASSEMBLY, HDM DOUBLE-END MIDPLANE, 144 POS. SLIDE-ON HOUSING					
		 = 0						CHECKED BY & DATE SREED 97/06/19							
				4 PLACES ±0.		±.		APPROVED BY & DATE CBIXLER 97/06/19		MOLEX INCORPORATED					
				3 PLACES ±0.		±.		CAD FILENAME S73810X1.DGN						MATERIAL NO. SEE CHART	
				2 PLACES ±0.05		±.									
				1 PLACE ±0.10		±.									
				ANGULAR: ± 1/2°											
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

10 9 8 7 6 5 4 3 2 73810

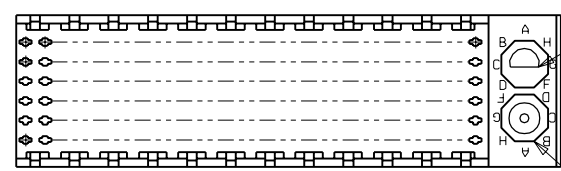
MATERIAL NUMBER ASSIGNMENT

73810- * * * *

I = 144-CIRCUIT

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

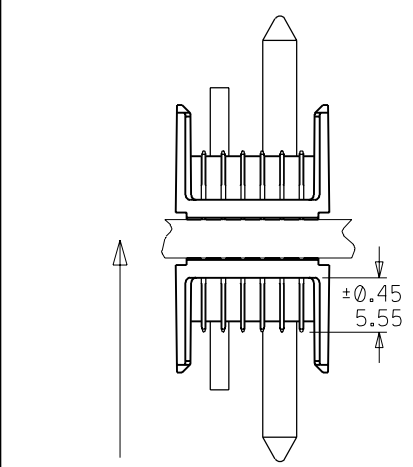
73800-1X00,
73801-1X00,
OR 73802-1XXX
MIDPLANE MODULE



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

±0.65
3.95

±0.45
5.55

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
REV B

DESCRIPTION
MAJOR
CRITICAL
REV

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
mm INCH
4 PLACES ±0. mm ±.
3 PLACES ±0. mm ±.
2 PLACES ±0.05 mm ±.
1 PLACE ±0.10 mm ±.
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
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

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
SIZE B

DIMENSIONS:
mm INCH mm INCH mm ONLY
SHT REV
REVISE ON
CAD ONLY

9 8 7 6 5 4 3 2 1

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