

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0738101216

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

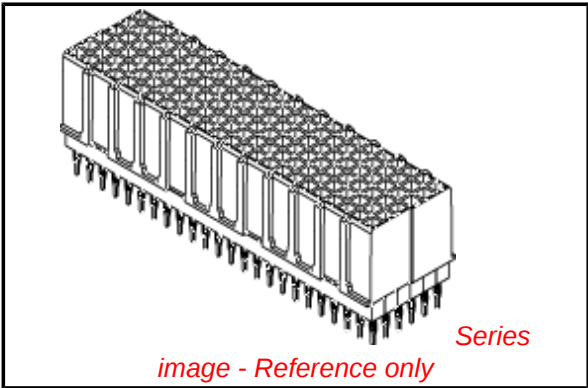
Real Signals (per 25mm)

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

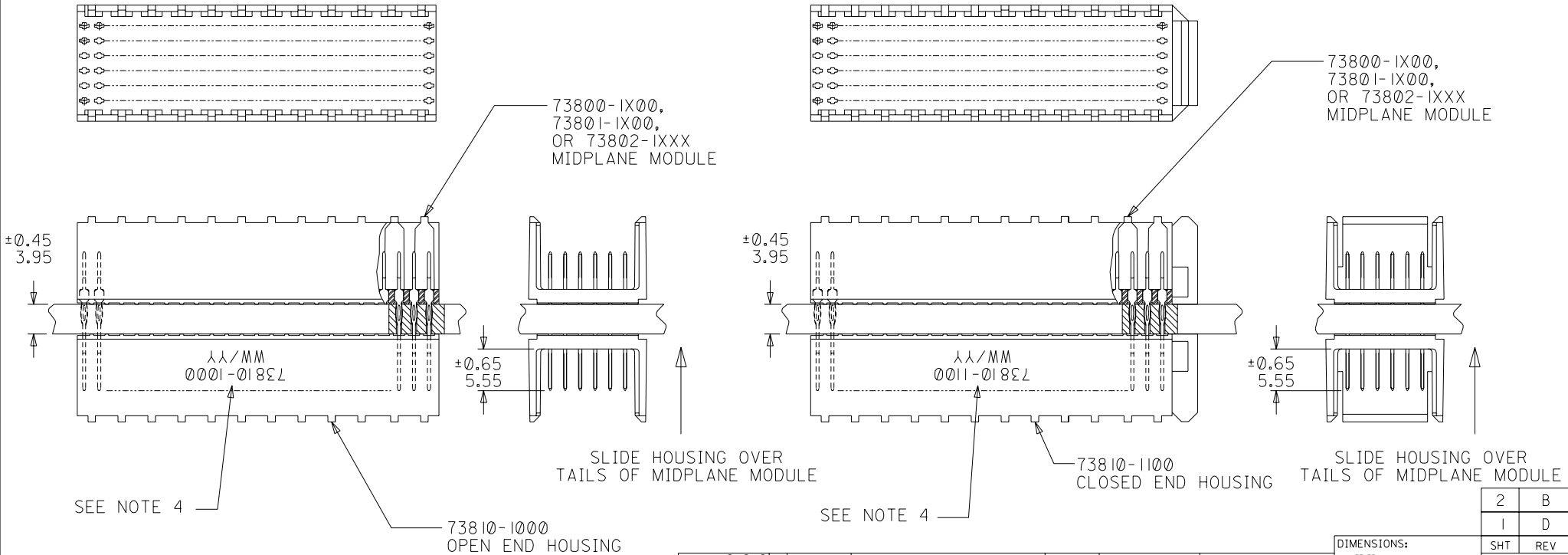
HDM and High Density Metric are trademarks of Amphenol Corporation

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	DESCRIPTION	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2 : 1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY			
				mm	INCH	DRAWN BY & DATE JBINGHAM 97/06/19		TITLE: SALES ASSEMBLY, HDM DOUBLE-END MIDPLANE, 144 POS. SLIDE-ON HOUSING						
			4 PLACES	±0.	±.	CHECKED BY & DATE SREED 97/06/19								
			3 PLACES	±0.	±.	APPROVED BY & DATE CBIXLER 97/06/19		MOLEX INCORPORATED						
			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.				SIZE B				
			ANGULAR: ± 1/2°											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
			REV	D										

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

DESCRIPTION
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

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

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

9 8 7 6 5 4 3 2 1