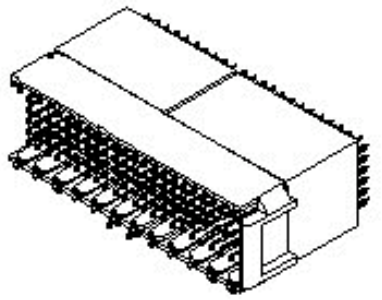
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0737700100
Status: Active
Overview: hdm
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Closed End Option, 72 Circuits



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-73780-999 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73770
Application	Backplane, Mezzanine
Component Type	PCB Header
MolexKits	Yes
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	12
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.055 In
PCB Thickness Recommended (mm)	1.40 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	15
Plating min: Termination (µm)	0.375
Polarized to PCB	No
Stackable	Yes

EU RoHS | **China RoHS**
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
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
73770Series

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

Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
Flat Rock Tooling for Pneumatic Press	0622013700
HDM® Backplane Insertion Signal Contact Tool	0621001400
Extraction Tool	0621001000

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	72
Voltage - Maximum	250V AC

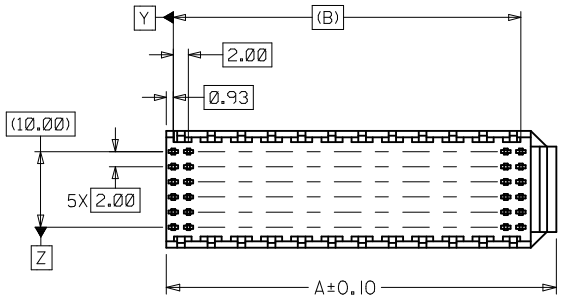
Material Info

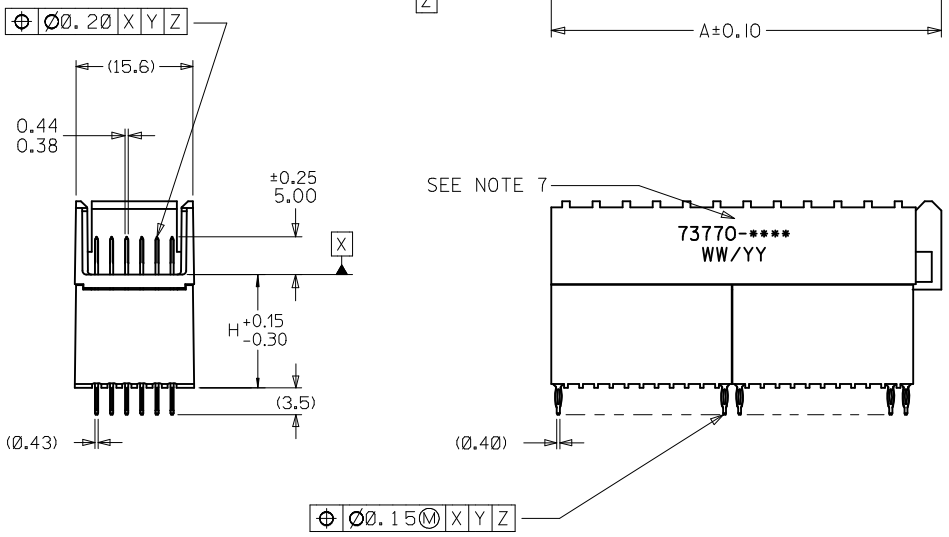
Reference - Drawing Numbers

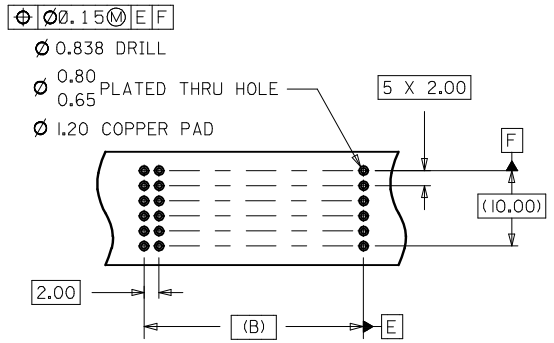
Packaging Specification	PK-70873-0870
Product Specification	PS-73780-999
Sales Drawing	SD-73770-001

HDM and High Density Metric are trademarks of Amphenol Corporation

ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"
73770-0100	72	27.6	22.00	15.05
73770-0200	72	27.6	22.00	6.05
73770-0300	72	27.6	22.00	10.05
73770-1100	144	51.6	46.00	15.05
73770-1200	144	51.6	46.00	6.05
73770-1300	144	51.6	46.00	10.05







BACKPLANE HOLE PATTERN

NOTES:

1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL94-0, COLOR: BLACK. TERMINAL - PHOSPHOR BRONZE
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076 MINIMUM THICKNESS, SELECTIVE TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS C.
5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM.
6. PACKAGE PER PK-70873-0875.
7. PARTS MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.

REVISE DIM H TOL
EC NO: UCP2008-3186
DRWN:SDANNELLEY 2008/07/29
CH'KD:MS IBARRA 2008/09/11
APPR:SMILLER 2008/09/16
DESCRIPTION
G
REV

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

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	JBINGHAM	DATE 1997/03/07
CHECKED BY	SREED	DATE 1997/03/07
APPROVED BY	CBIXLER	DATE 1997/03/07

TITLE: SALES ASSEMBLY HDM BACKPLANE STACKING MOD CLOSED END OPT PRESSFIT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-73770-001
SHEET NO.: 1 OF 1
SIZE: C

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