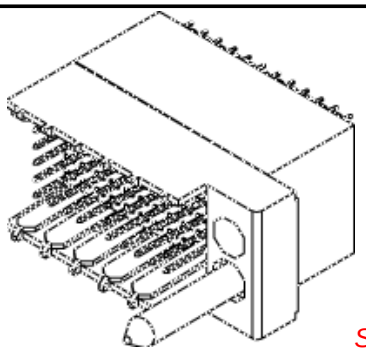
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Part Number: 0737711190
Status: Active
Overview: hdm
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Stacking Header, High Rise Vertical, SMC, Press-Fit, Guide Pin Option, 144 Circuits



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-73780-999 (PDF)

Agency Certification

CSA	LR19980

General

Product Family	Backplane Connectors
Series	73771
Application	Midplane
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	144
Circuits (maximum)	144
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	24
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
PCB Retention	Yes
PCB Thickness Recommended (in)	0.098 In
PCB Thickness Recommended (mm)	2.50 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
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
Voltage - Maximum	250V AC

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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
73771Series

Mates With
73632 HDM PLUS® Board-to-Board Daughterboard 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 #
HDM® Backplane Insertion Signal Contact Tool	0621001400
HDM® Backplane Insertion Head for 144 Positions	0622005703
Extraction Tool	0621001000

Material Info

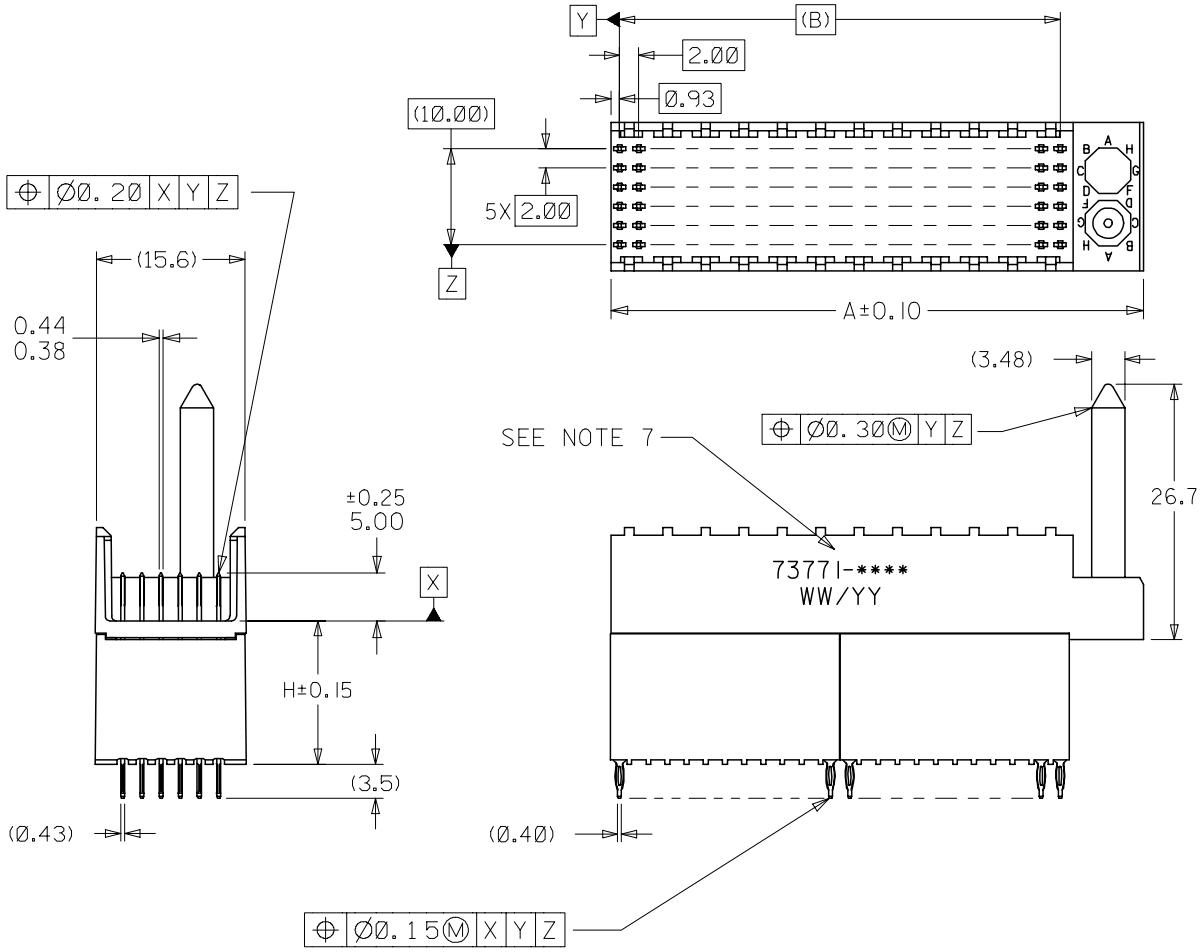
Reference - Drawing Numbers

Packaging Specification	PK-70873-0870
Product Specification	PS-73780-999
Sales Drawing	SD-73771-002

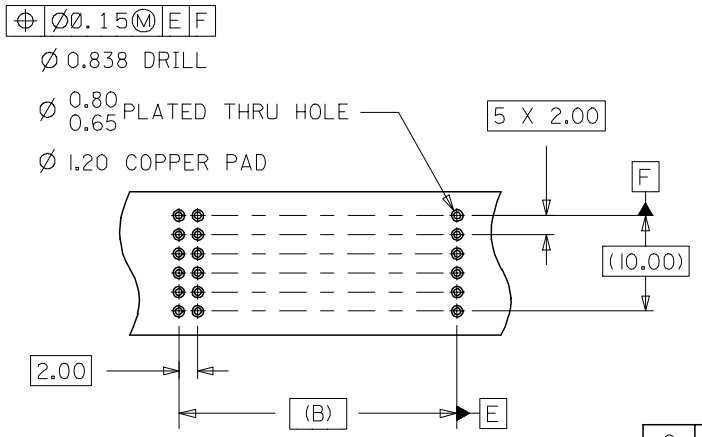
HDM and High Density Metric are trademarks of Amphenol Corporation

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NOTES:
1. MATERIALS: HOUSING-LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED UL 94V-0, COLOR: BLACK, TERMINAL: PHOSPHOR BRONZE
2. FINISH: SELECTIVE GOLD (AU) IN CONTACT AREA, 0.76 MICROMETER MINIMUM THICKNESS; SELECTIVE TIN (Sn) ON TAILS, 0.38 MICROMETER MINIMUM THICKNESS; NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION: PS-73780-999.
4. DIMENSIONS ARE IN MILLIMETERS
5. RECOMMENDED PCB THICKNESS: 2.50 MINIMUM
6. PACKAGE PER PK-70837-0870, PK-70873-0871, OR PK-70873-00875
7. PART MARKED WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.



BACKPLANE HOLE PATTERN

2	A
1	A
SHT	REV

ASSEMBLY P/N	TOTAL NUMBER OF SIGNAL CONTACTS	DIM "A"	DIM "B"	DIM "H"
73771-019*	72	31.6	22.00	15.05
73771-029*	72	31.6	22.00	6.05
73771-039*	72	31.6	22.00	10.05
73771-119*	144	55.6	46.00	15.05
73771-129*	144	55.6	46.00	6.05
73771-139*	144	55.6	46.00	10.05

INITIAL RELEASE
EC NO: UCP2005-2847 2005/07/25
DRWN:MSIBARRA 2005/07/26
CH'KD:BSMART 2005/07/27
APPR:SMILLER 2005/07/27
DESCRIPTION
A
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

		DATE
DRAWN BY	MIBARRA	05/07/06
CHECKED BY	BSMART	05/07/06
APPROVED BY	SMILLER	05/07/06

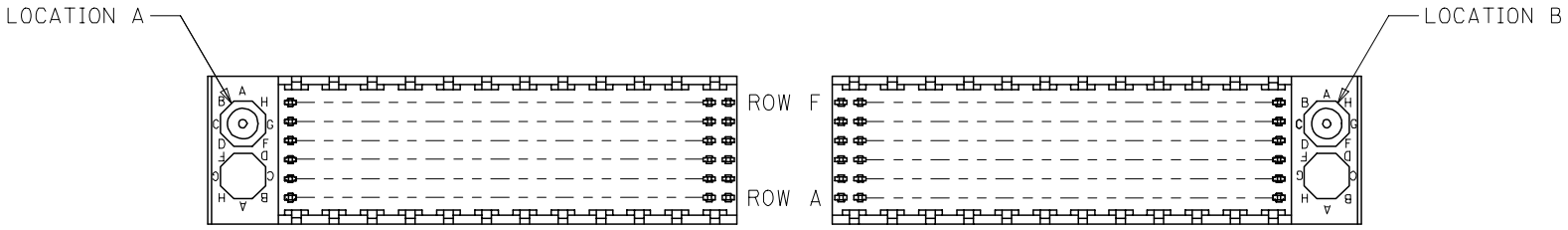
TITLE: SALES ASSY HDM BACKPLANE STACKING MODULE POLAR/ GUIDE OPTION PRESSFIT

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-73771-002
SHEET NO.: 1 OF 2

SIZE B

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REF. MATERIAL NUMBER 73771-1100
GUIDE PIN IS IN LOCATION A

REF. MATERIAL NUMBER 73771-1101
GUIDE PIN IS IN LOCATION B

MATERIAL NUMBER ASSIGNMENT

73771- * * * *

0 = 72-CIRCUIT
1 = 144-CIRCUIT

1 = 15.05 STACKING HEIGHT
2 = 6.05 STACKING HEIGHT
3 = 10.05 STACKING HEIGHT

NUMBER	GUIDE POST LOCATION
0	A
1	B
2	N/A

NUMBER	PLATING
9	GOLD - TIN

INITIAL RELEASE
EC NO: UCP2005-2847 2005/07/25
DRWN:MSIBARRA 2005/07/26
CH'KD:BSMART 2005/07/27
APPR:SMILLER 2005/07/27
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	MIBARRA	05/07/06
CHECKED BY	BSMART	05/07/06
APPROVED BY	SMILLER	05/07/06

TITLE: SALES ASSY HDM BACKPLANE STACKING MODULE POLAR/ GUIDE OPTION PRESSFIT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-73771-002
SHEET NO.: 2 OF 2
SIZE: B

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