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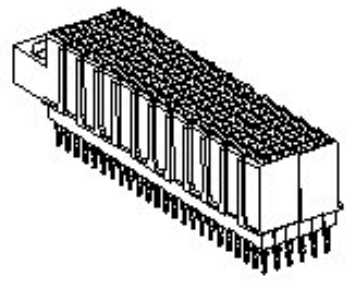
Part Number: 0743000144
Status: Active
Overview: hdm
Description: 2.00mm (.079") Pitch HDM® Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, with Guide, 72 Circuits, Mounted Height 14.00mm (.551"), Pin Length 3.00mm (.118"), Lead-Free



Series image - Reference only

Documents:

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

General

Product Family	Backplane Connectors
Series	74300
Application	Daughtercard, Mezzanine
Component Type	PCB Receptacle
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
Color - Resin	Black
Durability (mating cycles max)	250
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Tin
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
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)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

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
74300Series

Mates With
HDM® Board-to-Board Backplane Header
73642 , 73643 , 73644 , 74349 , 74428 , 73769 , 73781 , 73770 , 73782 , 73783 , 73771

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	76
Shielded	Yes
Voltage - Maximum	250V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-73780-999
Sales Drawing	SD-74300-004

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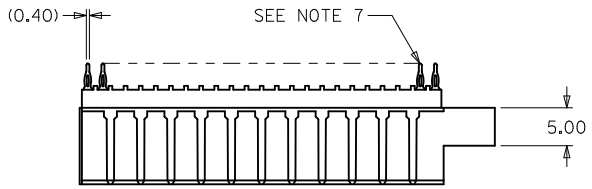

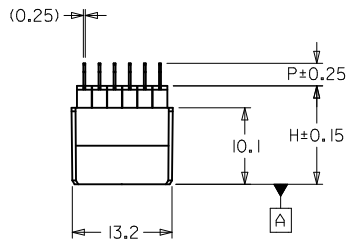

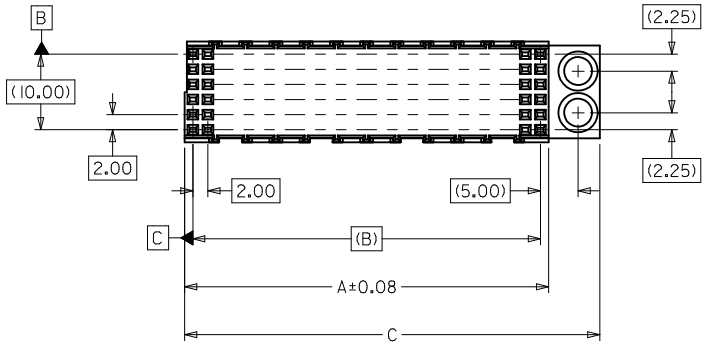

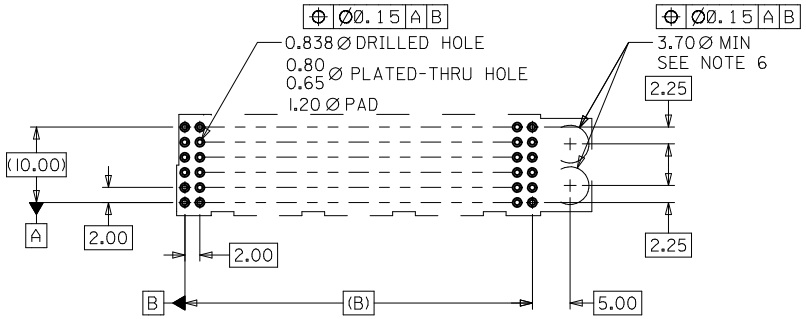

PCB LAYOUT: COMPONENT SIDE

NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, 94V-0, COLOR: BLACK
   TERMINALS - COPPER ALLOY
2. FINISH: GOLD (Au) .76 MICROMETER MINIMUM THICKNESS IN CONTACT AREA, SELECTIVE TIN (Sn) 2.50 MINIMUM THICKNESS ON SOLDER TAILS, .88 MINIMUM THICKNESS ON PRESS-FIT TAILS, NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73780-999.
4. 144-CKT DAUGHTERCARD STACKING MODULE SHOWN FOR ILLUSTRATION PURPOSES ONLY. SEE CHART FOR TABULATED DIMENSIONS.
5. 74300-***7 PARTS TO BE PACKAGED IN TUBES PER PK-70873-0872. ALL OTHER PARTS TO BE PACKAGED IN TUBES PER PK-70873-0900.
6. DEPENDING ON APPLICATION, THIS HOLE MAY BE NEEDED FOR CLEARANCE OF BACKPLANE GUIDE PIN. LOCATION OF HOLE WILL DEPEND ON LOCATION OF GUIDE PIN.
7. TRUE POSITION OF PC TAILS IS INSPECTED USING GAUGE NUMBER 73727-0014.

MATERIAL NUMBER ASSIGNMENT

74300 - * 1 * *

- 0 = 72-CKT SOLDERTAIL
- 1 = 144-CKT SOLDERTAIL
- 7 = 72-CKT PRESS-FIT
- 8 = 144-CKT PRESS-FIT

DIM "P"
- 2 = 2.00
- 3 = 2.50
- *4 = 3.00
- *5 = 3.50
- *6 = 4.00

DIM "H"
- 3 = 13.0
- 4 = 14.0
- 5 = 15.0
- 6 = 16.0
- 7 = 17.0

*PRESS-FIT AVAILABLE IN THESE TAIL LENGTHS ONLY

MATERIAL NUMBER	CIRCUIT SIZE	DIM A	DIM B	DIM C
74300-11**/-81**	144	48.17	46.00	54.95
74300-01**/-71**	72	24.17	22.00	30.95

UPDATE TO L.F. ONLY
EC NO: UCP2010-1860 2010/01/25
DRWN: JMELTON 05/07/07
CH'KD: SDANNELLEY 2010/02/08
APPR: SMILLER
DESCRIPTION
B
REV

QUALITY SYMBOLS
=0
=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
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MIBARRA DATE: 05/07/07
CHECKED BY: BSMART DATE: 05/07/07
APPROVED BY: SMILLER DATE: 2010/02/08

TITLE: SALES ASSY, HDM PB FREE DAUGHTERCARD STACKING MODULE, GUIDE OPTION

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74300-004
SHEET NO.: 1 OF 1
SIZE: C

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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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http://moschip.ru/get-element

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