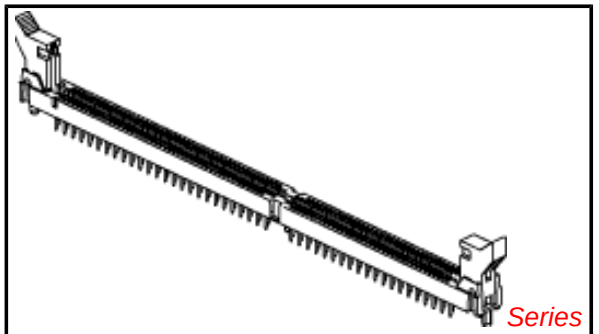
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0712435001
Status: Active
Description: 1.27mm (.050") Pitch DDR DIMM Socket, Single Key, Vertical, Plastic Peg, 184 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Packaging Specification (PDF)
Product Specification PS-71243-9999 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Memory Module Sockets
Series	71243
Comments	With Short Latches
Component Type	Memory Module
JEDEC Outline	N/A
Product Name	DIMM

Physical

Circuits (Loaded)	184
Circuits (maximum)	184
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical
Function Key	None
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.127 In
PC Tail Length (mm)	3.23 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	100V AC (RMS)/DC
Voltage Key	Left

Material Info

Reference - Drawing Numbers

Product Specification	PS-71243-9999
Sales Drawing	SD-71243-500

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

China RoHS

Need more information on product environmental compliance?

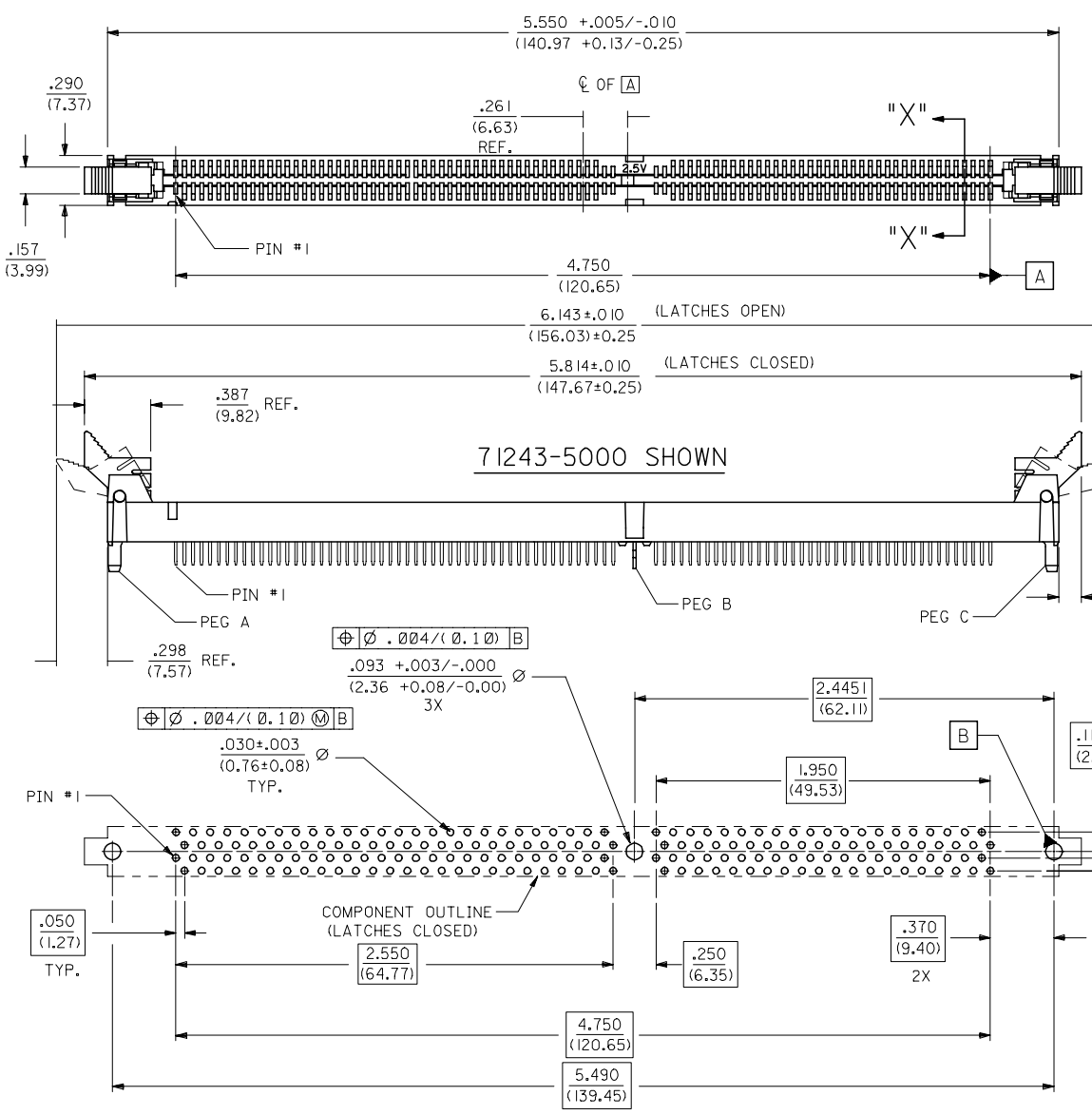
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
71243Series

This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

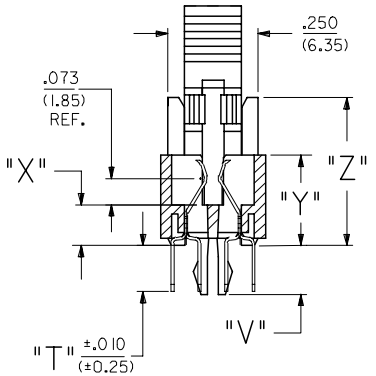
1. CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS. (MEASURED OVER P.C. PADS).
2. ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED .
3. REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS PER PK-70873-011.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER SHEET 2.
6. RECOMMENDED PLATING ON MODULE PADS: 30 MICROINCH/(0.76 MICROMETER) MINIMUM HARD GOLD (Au) OVER 79 MICROINCH/(2.0 MICROMETER) MINIMUM NICKEL (Ni).
7. PRODUCT WILL HAVE DATE CODE STAMPED ON SIDE OF HOUSING.

MATERIALS:

HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
TERMINAL - PHOSPHOR BRONZE
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.
PLATING:
SEE SHEET 2.

NOTE FOR LEAD FREE CONVERSION:

THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.



SECTION "X-X"

SCALE 4:1

RECOMMENDED
P.C. BOARD HOLE PATTERN
(CONNECTOR SIDE)

SHT	REV
2	B
1	B

ADD 71243-5001
EC NO: UCP2005-2451 2005/05/11
DRWN:DMORGAN 2005/05/17
CHKD:BBARKER 2005/05/24
APPR:SMILLER
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	2:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	DMORGAN
DATE	04/08/06
CHECKED BY	BBARKER
DATE	04/08/06
APPROVED BY	SMILLER
DATE	04/08/06
TITLE	.050/(1.27) PITCH SINGLE KEY 184 CKT DDR DIMM WITH SHORT LATCHES
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-71243-500
SHEET NO.	1 OF 2

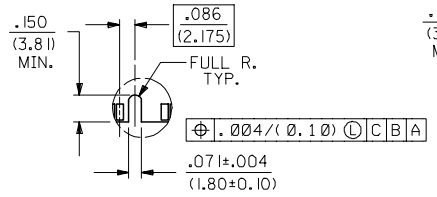
SIZE C

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

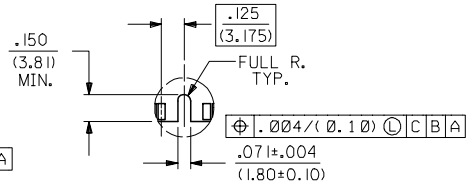
PART NUMBER	DESCRIPTION	VOLTAGE KEY	PEG A	PEG B	PEG C	DIM. "P"	DIM. "S"	DIM. "T"	DIM. "V"	DIM. "W"	DIM. "X"	DIM. "Y"	DIM. "Z"	TERMINAL TYPE
71243-5000	2.5 VOLT VDDQ	OFFSET LEFT	PLASTIC PEG	METAL FORKLOCK	PLASTIC PEG	.155 (3.94)	.020 (0.51)	.127 (3.23)	.135 (3.43)	.664 (16.87)	.113 (2.87)	.250 (6.35)	.410 (10.41)	NOT LUBRICATED
71243-5001	2.5 VOLT VDDQ	OFFSET LEFT	PLASTIC PEG	METAL FORKLOCK	PLASTIC PEG	.155 (3.94)	.020 (0.51)	.127 (3.23)	.135 (3.43)	.664 (16.87)	.113 (2.87)	.250 (6.35)	.410 (10.41)	LUBRICATED

NOTES:

1. STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP .157/(4.00).
2. IF TIE BARS ARE ATTACHED TO PADS, THE TIE BAR SHOULD BE ON AN INTERNAL LAYER, SO THAT THE REMNANT CANNOT CAUSE DAMAGE TO THE CONTACTS.



OFFSET LEFT KEY



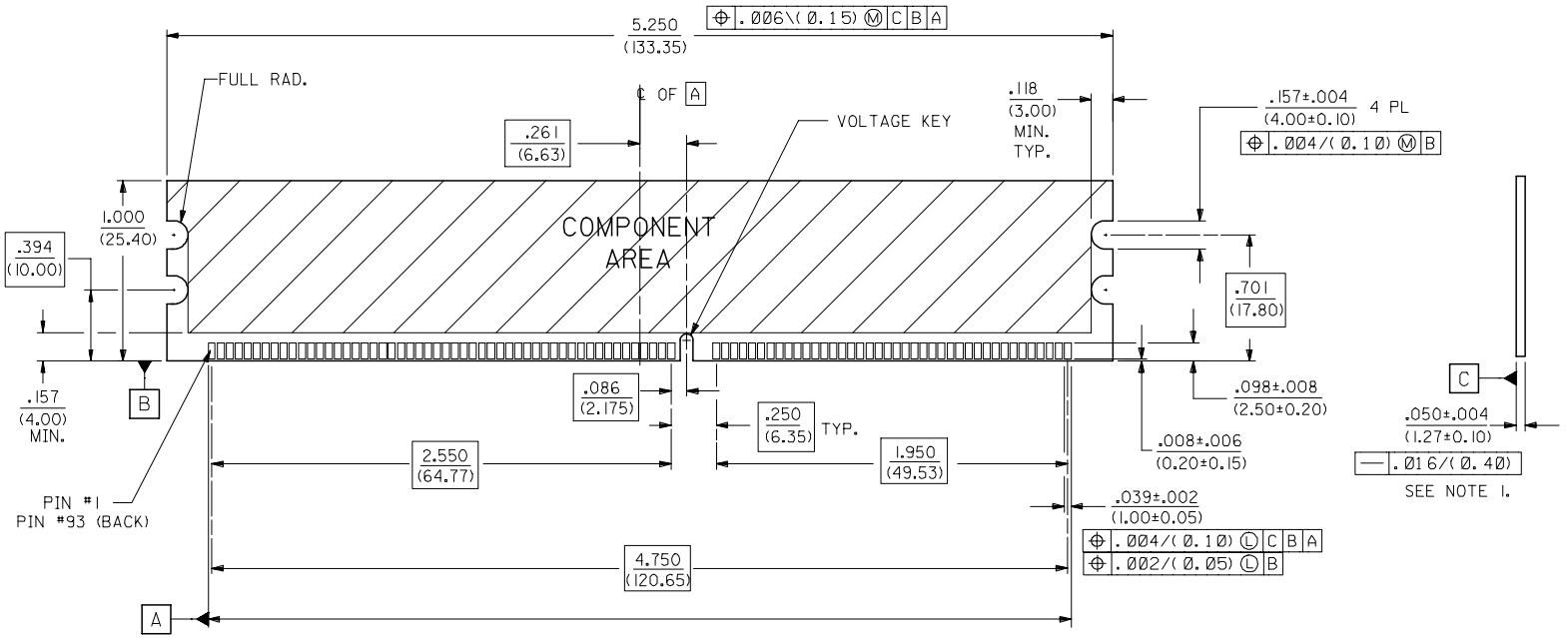
CENTERED KEY

PLATING:

CONTACT AREA:
GOLD (Au) FLASH: THICKNESS=2-10 MICROINCH/(0.05-0.25 MICRO METER), OVER PALLADIUM-NICKEL (Pd-Ni): THICKNESS=30 MICROINCH/(0.76 MICROMETER) MINIMUM.

SOLDER TAILS:
TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

UNDERPLATE:
NICKEL (Ni) OVER ENTIRE TERMINAL.



RECOMMENDED MODULE LAYOUT
184 CKT 2.5V SHOWN

ADD 71243-5001
EC NO: UCP2005-2451 2005/05/11
DRWN:DMORGAN 2005/05/17
CHKD:BBARKER 2005/05/24
APPR:SMILLER
DESCRIPTION
REV B

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	DMORGAN	DATE 04/08/06
CHECKED BY	BBARKER	DATE 04/08/06
APPROVED BY	SMILLER	DATE 04/08/06

TITLE: .050/(1.27) PITCH SINGLE KEY 184 CKT DDR DIMM WITH SHORT LATCHES

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-71243-500
SHEET NO.: 2
SIZE C

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