

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0712435000](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") Pitch DDR DIMM Socket, Single Key, Vertical, Plastic Peg, 184 Circuits

**Documents:**

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

**General**

Product Family	Memory Module Sockets
Series	<a href="#">71243</a>
Comments	With Short Latches
Component Type	Memory Module
JEDEC Outline	N/A
Product Name	DIMM

**Physical**

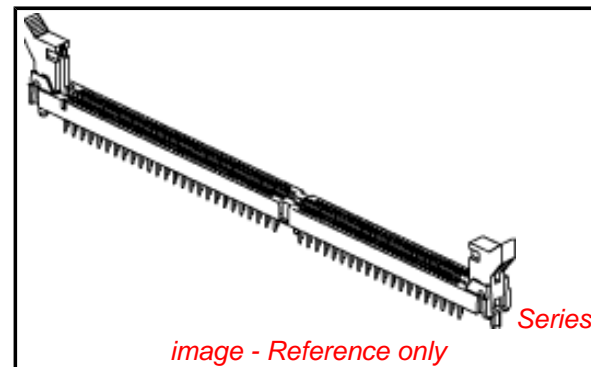
Circuits (Loaded)	184
Circuits (maximum)	184
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Function Key	None
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.81
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

**Solder Process Data**

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

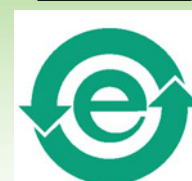


*image - Reference only*

**EU RoHS**

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

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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](#)

Process Temperature max. C

245

**Material Info**

**Reference - Drawing Numbers**

Product Specification

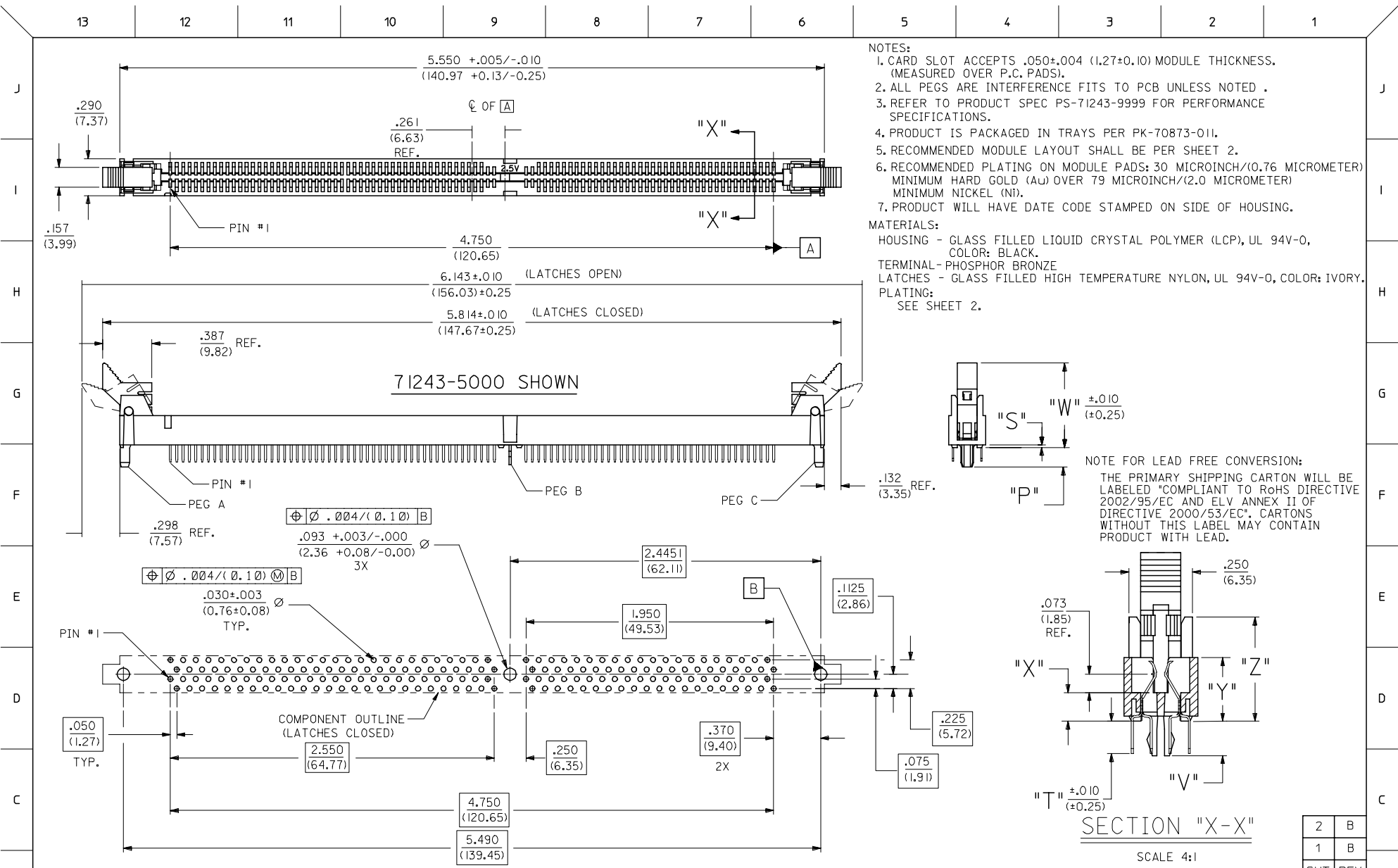
PS-71243-9999

Sales Drawing

SD-71243-500

This document was generated on 04/13/2010

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

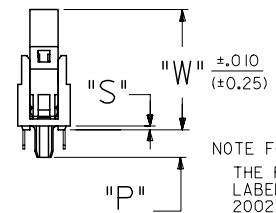
MATERIALS:

HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.

TERMINAL - PHOSPHOR BRONZE

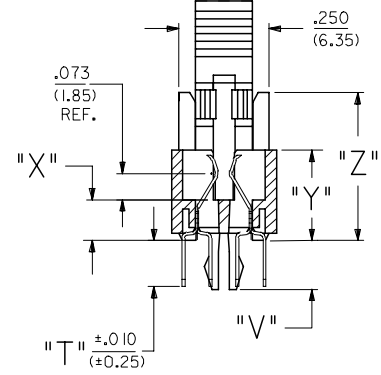
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.

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

2	B
1	B
SHT	REV

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

ADD 71243-5001 EC NO: UCP2005-2451 DRAWN BY DMORGAN 2005/05/11 CHKD BY BARKER 2005/05/17 APPR: SMILLER 2005/05/24 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	mm INCH	DRAWN BY DMORGAN DATE 04/08/06	TITLE .050/(1.27) PITCH SINGLE KEY 184 CKT DDR DIMM WITH SHORT LATCHES	MATERIAL NO. DOCUMENT NO. SHEET NO. 1 OF 2
	▽=0	3 PLACES ± --- ± .005		CHECKED BY BBARKER DATE 04/08/06	MOLEX INCORPORATED	
		2 PLACES ± 0.13 ± .010		APPROVED BY SMILLER DATE 04/08/06		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SEE CHART

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