

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0712430009](#)
Status: **Active**
Description: 1.27mm (.050") Pitch DIMM Socket, Single Key, Vertical, Plastic Peg, 144 Circuits

Documents:

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family Memory Module Sockets
Series [71243](#)
Component Type Memory Module
JEDEC Outline N/A
Product Name DIMM

Physical

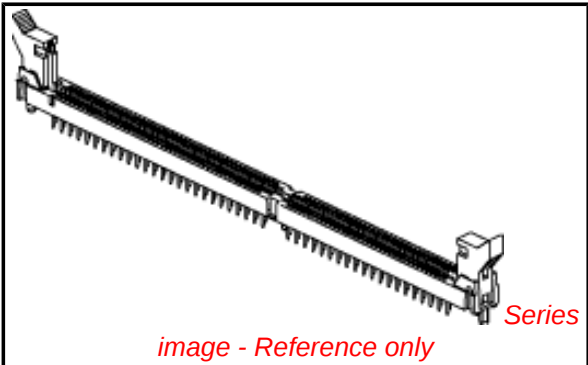
Circuits (Loaded) 144
Circuits (maximum) 144
Color - Resin Black, Natural
Durability (mating cycles max) 25
Entry Angle Vertical
Flammability 94V-0
Function Key None
Keying to Mating Part Yes
Material - Metal Phosphor Bronze, Stainless Steel
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
PC Tail Length (in) 0.112 In
PC Tail Length (mm) 2.84 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) 200
Plating min: Termination (µm) 5.08
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 Center

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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.

China RoHS



Search Parts in this Series

[71243Series](#)

Material Info

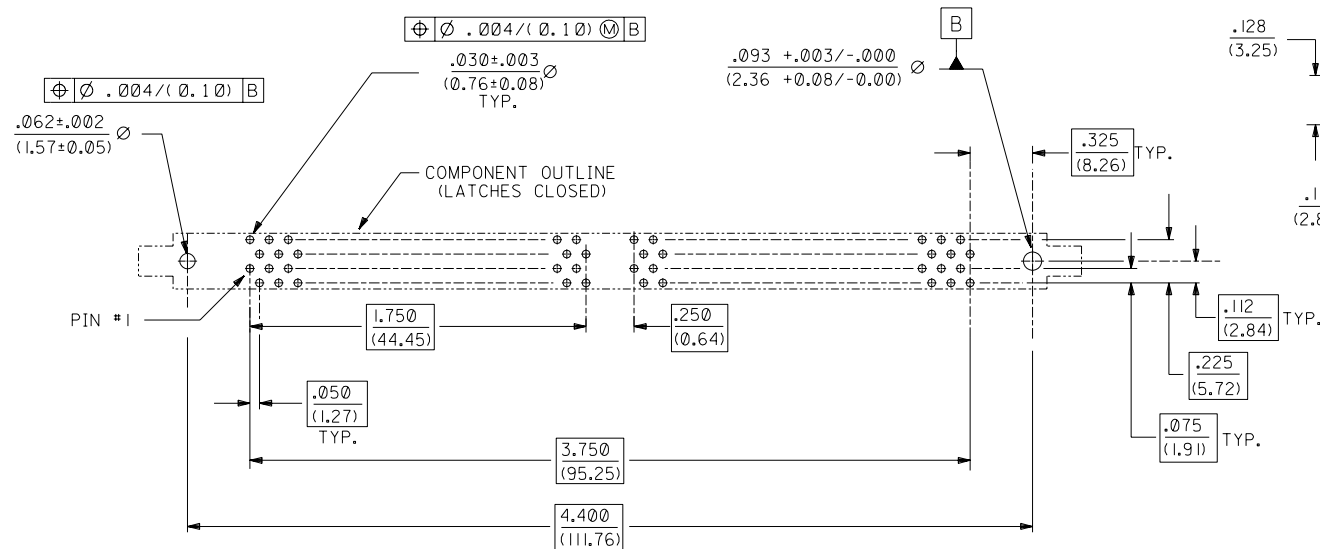
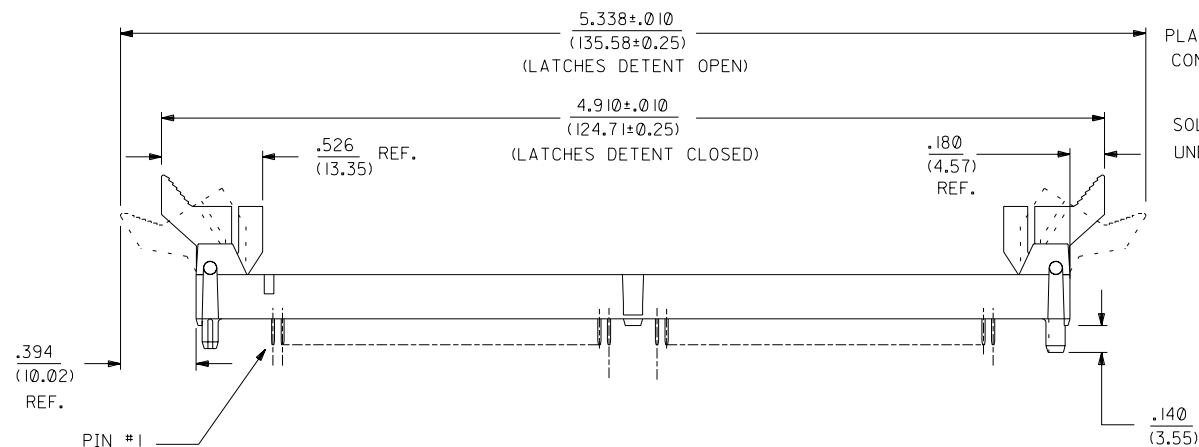
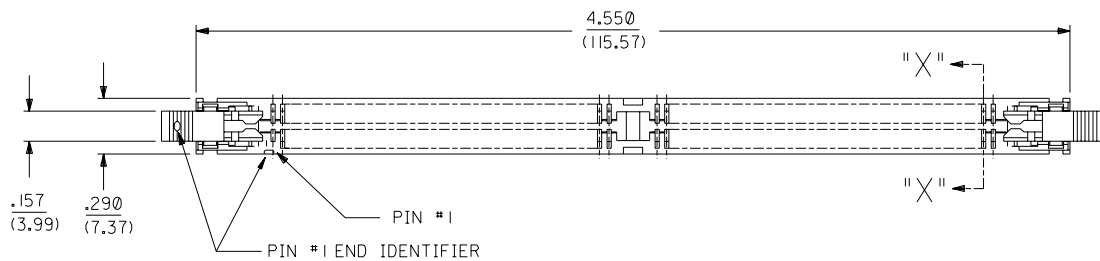
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71243-9999
SDA-71243-0009

This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

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 ON THE DWG.
3. REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER JEDEC MO-167.
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:

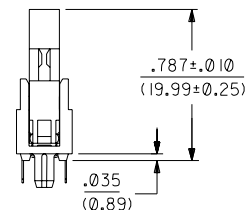
- HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
 TERMINAL - PHOSPHOR BRONZE
 LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0.
 LATCH AT PIN #1 END IS IVORY COLOR.
 LATCH AT OPPOSITE END IS BLACK COLOR.

PLATING:

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

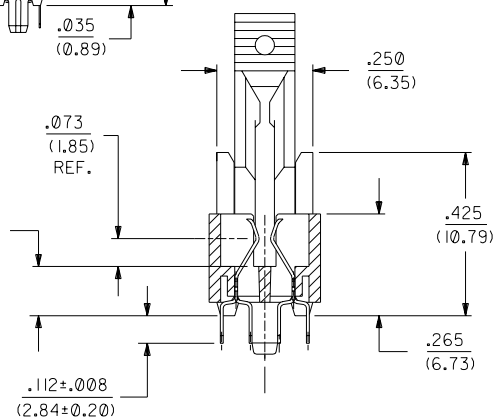
SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

UNDERPLATE: NICKEL (Ni) OVER ENTIRE CONTACT.



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

FI	ADD LEAD FREE NOTE ECN# UCP2004-IT32 DMORGAN 04/03/08
F	CHG Sn-Pb THICKNESS ECN# UDT1999-0454 DMORGAN 99/08/09
E	REVISED PER ECR# U61133 96-10-1 LAURX
D	REVISED PER ECR# U60883 3-15-96 JCL
C	RELEASED PER ECR# U60836 1-19-96 JCL

MFG.	SH.	REV.	LTR.	REVISIONS
2	E			
1	FI			

DIMENSIONS SHOWN (METRIC) INCH				REVISE ONLY ON CAD SYSTEM			
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°							
3 PLACE	±	INCH	METRIC				
2 PLACE	±	.01	± 0.13				
1 PLACE	---	---	± 0.25				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
DRWG. BY	JCL	CHK'D BY	DCB				
APPR. BY		SCALE	2: 1				
TITLE				.050/(1.27) PITCH DIMM			
				144 CKT SINGLE LOW KEY			
				SALES DRAWING			
MOLEX INCORPORATED				SHEET NO. 1 OF 2			
71243-0009				DATE 1/19/96			
SDA-71243-0009							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							

DIMENSIONS SHOWN (METRIC) INCH			REVISE ONLY ON CAD SYSTEM		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE $\pm 1/2^\circ$					
	INCH	METRIC	TITLE .050/(1.27) PITCH DIMM 144 CKT SINGLE LOW KEY SALES DRAWING DATE 1/9/96		
3 PLACE	$\pm .005$	---			
2 PLACE	$\pm .01$	$\pm .013$			
1 PLACE	---	$\pm .025$			
DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MOLEX INCORPORATED 135E.ILL. 60532 U.S.A. SHEET NO. 2		
DWG. BY JCL CHKD. BY DCB APP'D. DCB PART NO. 71243-0009 FILE NAME 5712439B DWG. NO. SDA-71243-0009 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					