

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0712431001

Status:

Active

Description:

1.27mm (.050") Pitch DIMM Socket, Single Key, Vertical, Plastic Peg, 200 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71243-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Component Type

JEDEC Outline

Product Name

Memory Module Sockets

71243

Memory Module

MO-172

DIMM

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Function Key

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Temperature Range - Operating

Termination Interface: Style

200

200

Black, Natural

25

Vertical

94V-0

None

Yes

Phosphor Bronze, Stainless Steel

Gold

Tin

High Temperature Thermoplastic

0.127 In

3.23 mm

Yes

Yes

0.062 In

1.57 mm

Tray

0.050 In

1.27 mm

0.050 In

1.27 mm

2

0.05

150

3.81

-40°C to +85°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

Voltage Key

1A

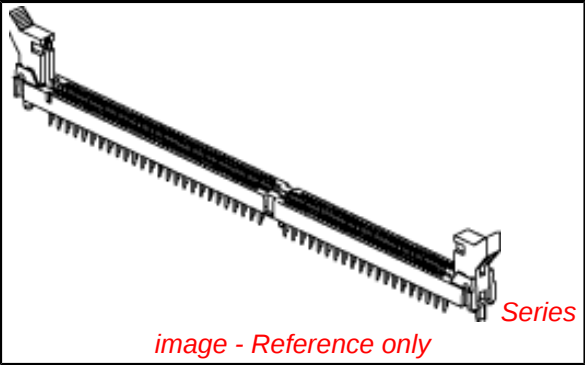
100V AC (RMS)/DC

OFFSET LEFT

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

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

Mates With

JEDEC MO-172 Modules

Material Info

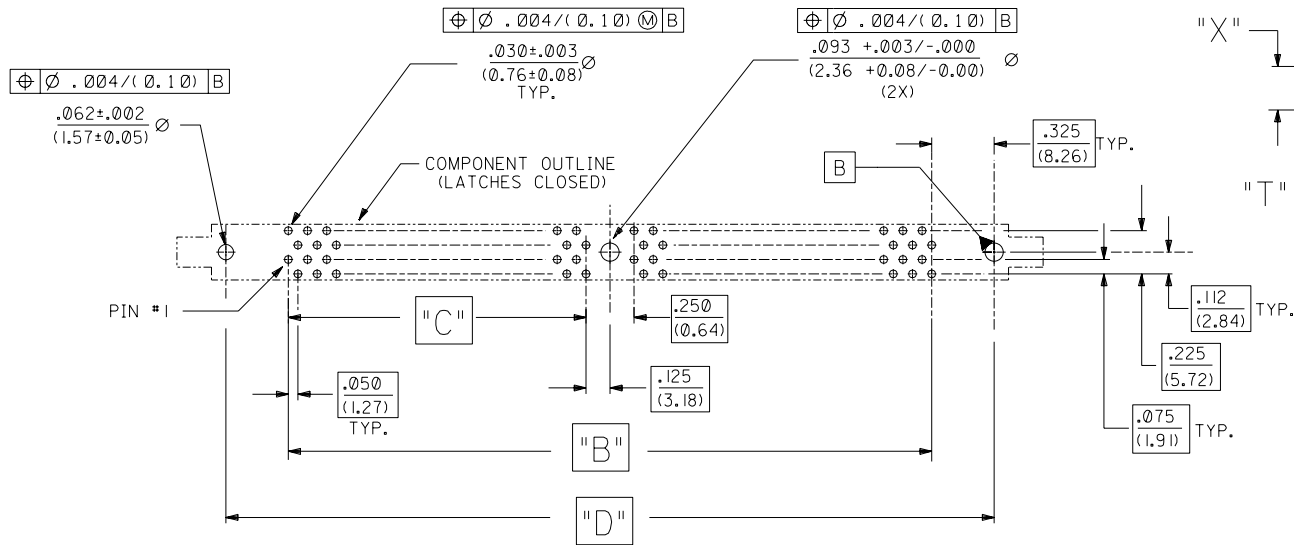
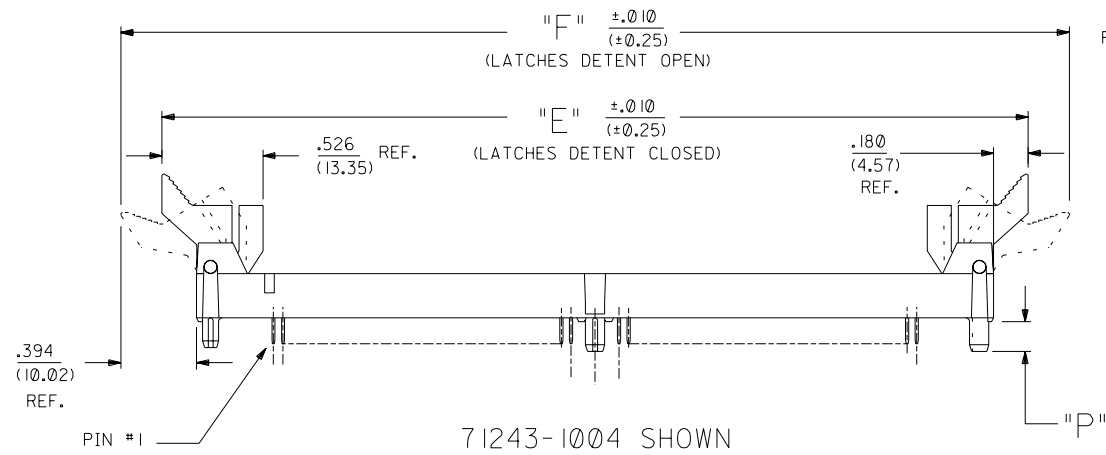
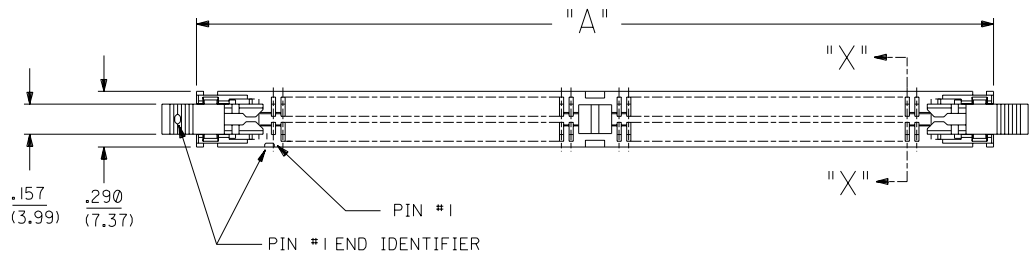
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-71243-9999
SDA-71243-1***

This document was generated on 04/13/2010

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

- 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 ON THE DWG.
 - REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
 - PRODUCT IS PACKAGED IN TRAYS.
 - 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

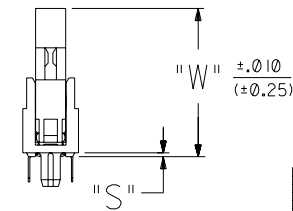
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.
LATCH AT PIN #1 END IS IVORY COLOR.
LATCH AT OPPOSITE END IS BLACK COLOR.

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.

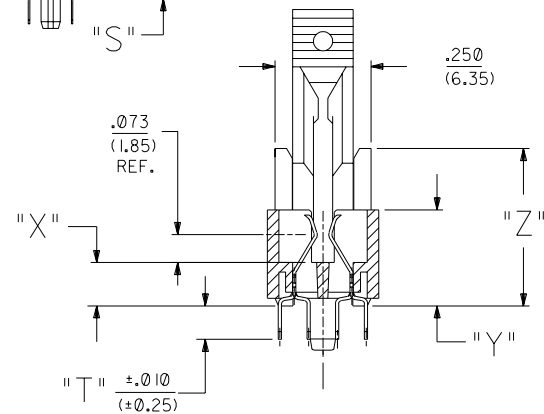
SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

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

E1	ADD LEAD FREE NOTE ECR# UCP2004-1732 DMORGAN 04/03/09
E	CHO Sn-Pb THICKNESS ECR# UDI1999-0454 DMORGAN 99/08/09
D	REVISED PER ECR# U61133 96-10-1 LAURX
C	REVISED PER ECR# U51288 3-18-96 JCL
B	REVISED PER ECR# U60883 8-4-95 JCL
A	RMVD X, REVISED PER ECR# U50617 12-27-94 JCL
2	REVISED PER ECR# U50419 11-7-94 JCL
1	RELEASED PER ECR# U40711 10-18-94 JCL

2	D
1	E1
MFG.	SH.
REV.	LTR.

REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE 0.050/(1.27) PITCH SINGLE HIGH KEY DIMM SALES DRAWING	
3 PLACE ± .005	INCH	SHEET NO. MOLEX INCORPORATED 1 OF 2	DATE 10/17/94
2 PLACE ± .01	METRIC	U.S.A.	
1 PLACE --- ± 0.25			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY JCL	CHK'D. BY DCB	PART NO. SEE CHART SDA-71243-1***	
APPR. BY	SCALE 2: 1	FILE NAME S7124311 DGN	SIZE CP C

13		12	11		10		9		8		7		6		71243		4	3		2		1	
X= N.T.	ITEM NUMBER 71243	CIRCUIT SIZE	KEYING	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'P'	DIM 'S'	DIM 'T'	DIM 'W'	DIM 'X'	DIM 'Y'	DIM 'Z'					
J	-1001	200	OFFSET LEFT	$\frac{5.950}{(151.13)}$	$\frac{5.150}{(130.81)}$	$\frac{2.450}{(62.63)}$	$\frac{5.800}{(147.32)}$	$\frac{6.310}{(160.28)}$	$\frac{6.738}{(171.14)}$	$\frac{5.650}{(143.51)}$	$\frac{5.384}{(136.75)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$	J				
	-1002	200	CENTERED	$\frac{5.950}{(151.13)}$	$\frac{5.150}{(130.81)}$	$\frac{2.450}{(62.63)}$	$\frac{5.800}{(147.32)}$	$\frac{6.310}{(160.28)}$	$\frac{6.738}{(171.14)}$	$\frac{5.650}{(143.51)}$	$\frac{5.384}{(136.75)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					
I	-1003	144	OFFSET LEFT	$\frac{4.550}{(115.57)}$	$\frac{3.750}{(95.25)}$	$\frac{1.750}{(44.45)}$	$\frac{4.400}{(111.76)}$	$\frac{4.910}{(124.71)}$	$\frac{5.338}{(135.58)}$	$\frac{4.250}{(107.95)}$	$\frac{3.984}{(101.19)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$	I				
	-1004	144	CENTERED	$\frac{4.550}{(115.57)}$	$\frac{3.750}{(95.25)}$	$\frac{1.750}{(44.45)}$	$\frac{4.400}{(111.76)}$	$\frac{4.910}{(124.71)}$	$\frac{5.338}{(135.58)}$	$\frac{4.250}{(107.95)}$	$\frac{3.984}{(101.19)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					

