

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0712431003

Status:

Active

Description:

1.27mm (.050") Pitch DIMM Socket, Single Key, Vertical, Plastic Peg, 144 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

N/A

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

144

144

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

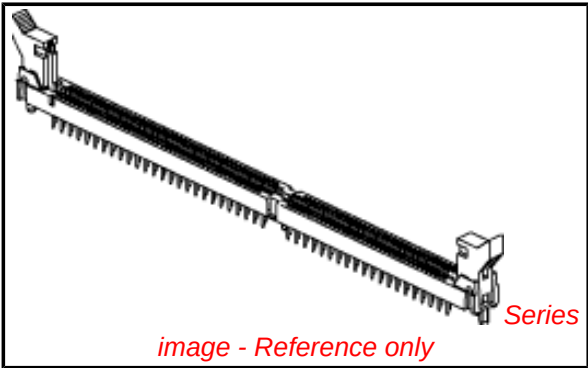
100V AC (RMS)/DC

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

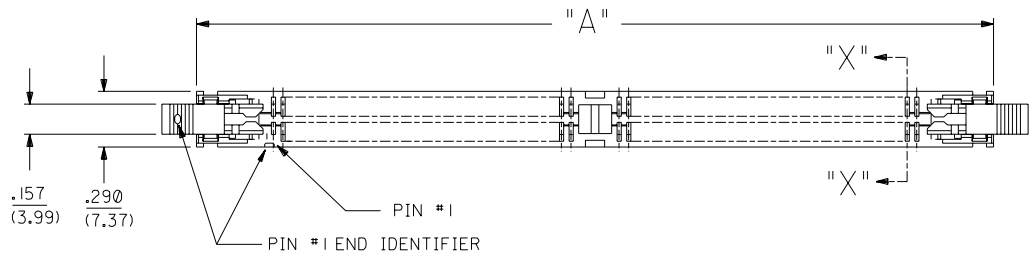
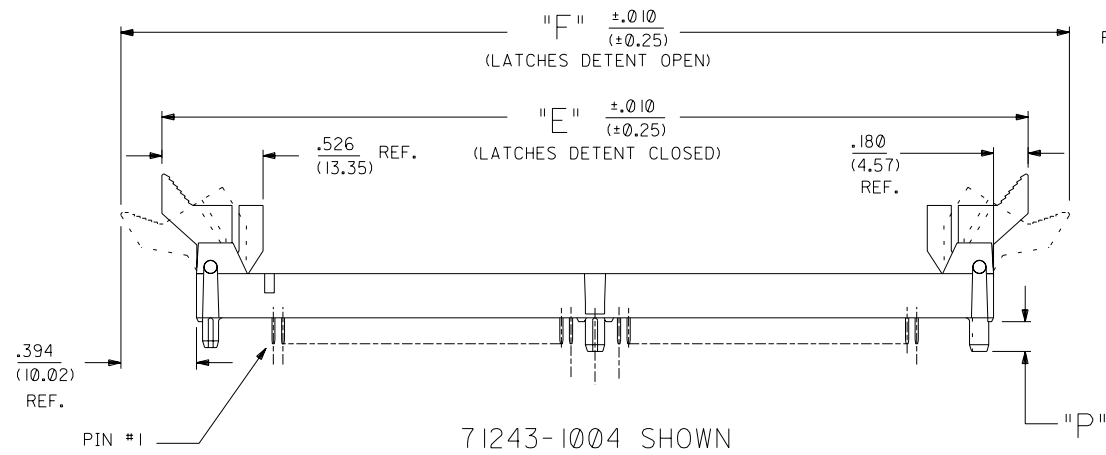
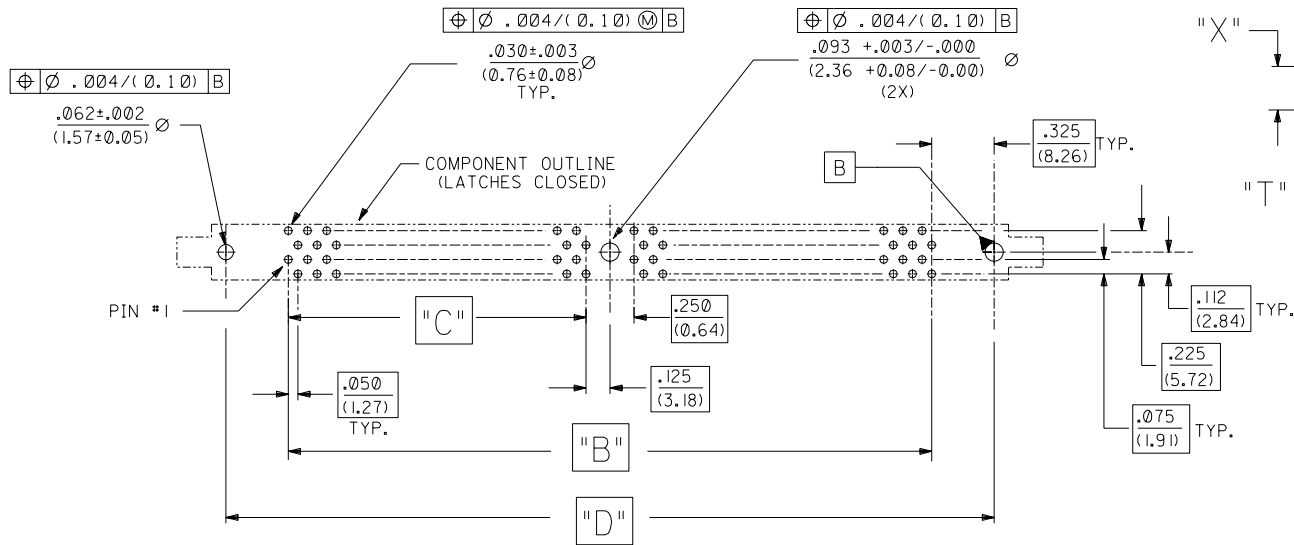
Material Info

Reference - Drawing Numbers

Product Specification	PS-71243-9999
Sales Drawing	SDA-71243-1***

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:
- 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

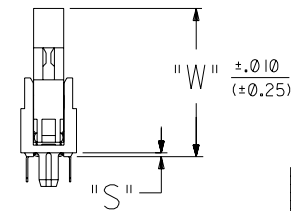
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.
LATCH AT PIN #1 END IS IVORY COLOR.
LATCH AT OPPOSITE END IS BLACK COLOR.

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.

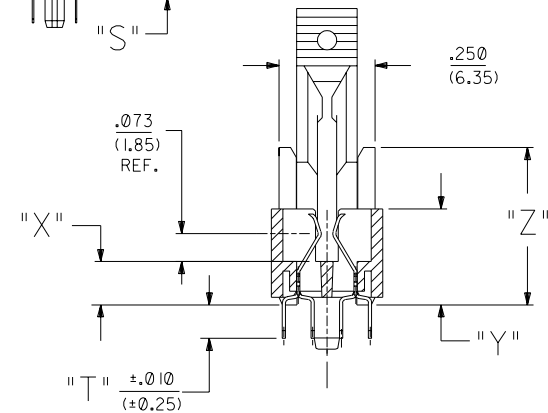
SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

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.



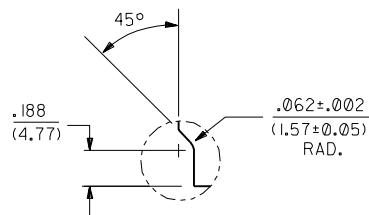
SECTION "X-X"
SCALE 4:1

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

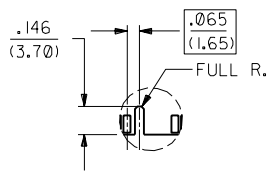
2	D
1	E1
MFG.	SH.
REV.	LTR.
REV.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		TITLE 71243-1004 PITCH SINGLE HIGH KEY DIMM SALES DRAWING	
3 PLACE ± .005	INCH	2 PLACE ± .01	METRIC
2 PLACE ± .01	INCH	2 PLACE ± .01	METRIC
1 PLACE --- ± 0.25	INCH	1 PLACE --- ± 0.25	METRIC
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 2	
DRWG. BY JCL	CHKD. BY DCB	FILE NAME 57124311 DGN	DATE 10/17/94
APPR. BY	SCALE 2:1	MOLEX INCORPORATED	SALES CHART
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		DIV. CP	

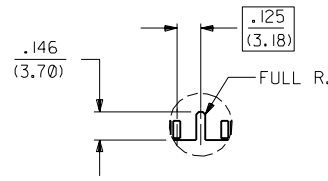
I3		I2		I1		I0		9		8		7		6		4		3		2		1	
X = N.T.	ITEM NUMBER 71243	CIRCUIT SIZE	KEYING	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	71243											
	-1001	200	OFFSET LEFT	$\frac{5.950}{(151.13)}$	$\frac{5.150}{(130.81)}$	$\frac{2.450}{(62.63)}$	$\frac{5.800}{(147.32)}$	$\frac{6.310}{(160.28)}$	$\frac{6.738}{(171.14)}$	$\frac{5.650}{(143.51)}$	$\frac{5.384}{(136.75)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					
	-1002	200	CENTERED	$\frac{5.950}{(151.13)}$	$\frac{5.150}{(130.81)}$	$\frac{2.450}{(62.63)}$	$\frac{5.800}{(147.32)}$	$\frac{6.310}{(160.28)}$	$\frac{6.738}{(171.14)}$	$\frac{5.650}{(143.51)}$	$\frac{5.384}{(136.75)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					
	-1003	144	OFFSET LEFT	$\frac{4.550}{(115.57)}$	$\frac{3.750}{(95.25)}$	$\frac{1.750}{(44.45)}$	$\frac{4.400}{(111.76)}$	$\frac{4.910}{(124.71)}$	$\frac{5.338}{(135.58)}$	$\frac{4.250}{(107.95)}$	$\frac{3.984}{(101.19)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					
	-1004	144	CENTERED	$\frac{4.550}{(115.57)}$	$\frac{3.750}{(95.25)}$	$\frac{1.750}{(44.45)}$	$\frac{4.400}{(111.76)}$	$\frac{4.910}{(124.71)}$	$\frac{5.338}{(135.58)}$	$\frac{4.250}{(107.95)}$	$\frac{3.984}{(101.19)}$	$\frac{.155}{(3.94)}$	$\frac{.020}{(0.51)}$	$\frac{.127}{(3.23)}$	$\frac{.772}{(19.61)}$	$\frac{.113}{(2.87)}$	$\frac{.250}{(6.35)}$	$\frac{.410}{(10.41)}$					



PREFERRED DETAIL "A"



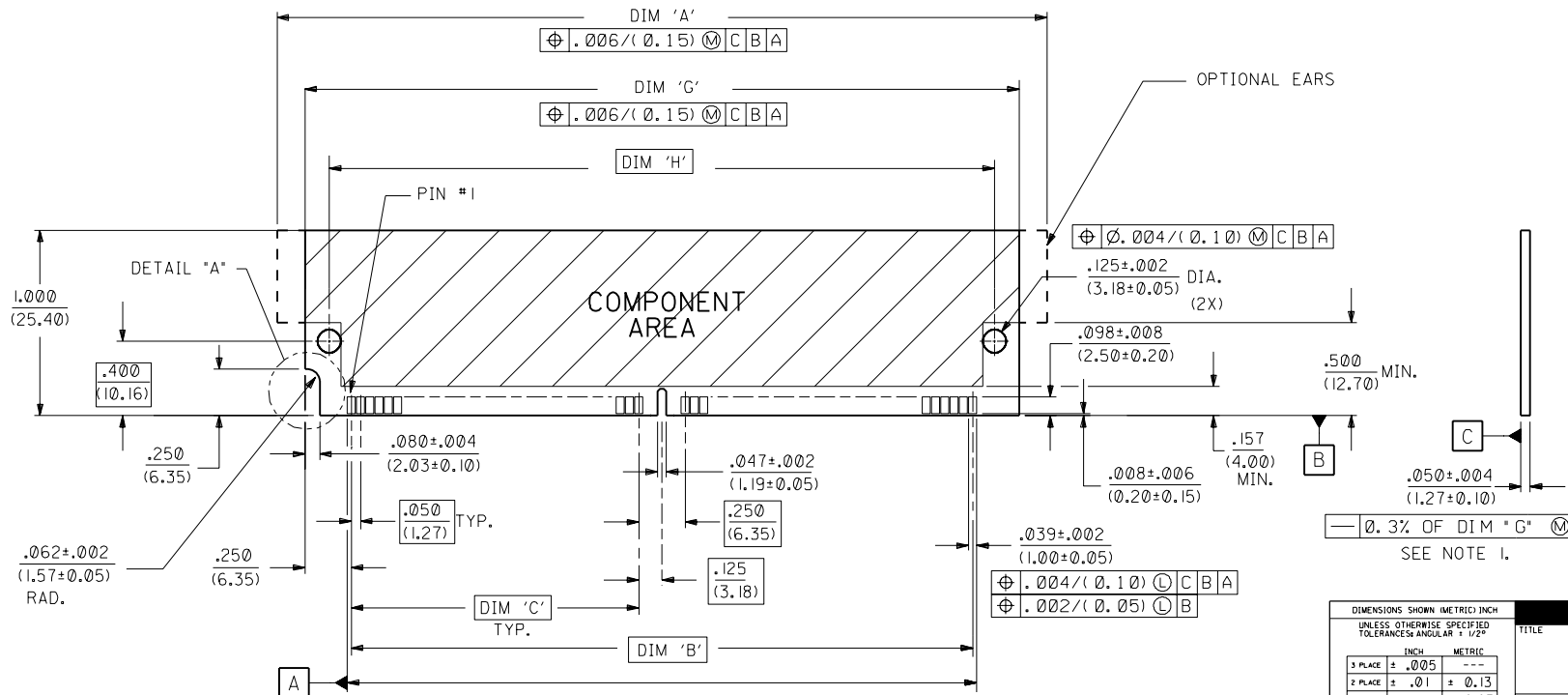
OFFSET LEFT KEY



CENTERED KEY

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.



(OUTSIDE EDGE OF END PADS)

RECOMMENDED MODULE LAYOUT
(CENTERED KEY SHOWN)

D	SEE SHEET I
C	SEE SHEET I
B	SEE SHEET I
A	SEE SHEET I
2	SEE SHEET I
I	SEE SHEET I

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°		TITLE	
5 PLACE ± .005	INCH	5 PLACE ± .005	METRIC	.050/(1.27) PITCH SINGLE HIGH KEY DIMM SALES DRAWING	
2 PLACE ± .01	INCH	2 PLACE ± .01	METRIC	MFG. SH. REV. LTR. REVISIONS	
1 PLACE --- ± 0.25	INCH	1 PLACE --- ± 0.25	METRIC	DATE 10/17/94	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				PART NO. 71243-1	
DRAWN BY JCL				CHK'D BY DCB	
SCALE 2:1				FILE NAME 57124312.DGN	
APPROVED BY				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	