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Part Number: 0712431004
Status: Active
Description: 1.27mm (.050") Pitch DIMM Socket, Single Key, Vertical, Plastic Peg, 144 Circuits

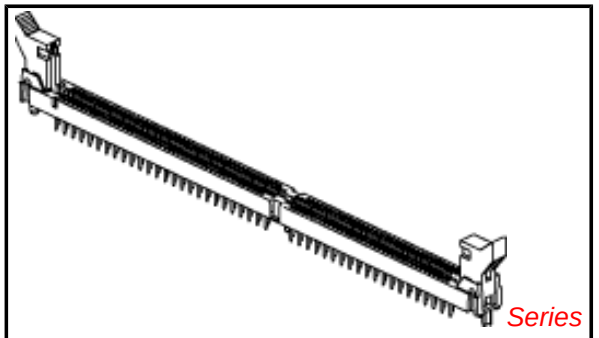


image - Reference only

Documents:
3D Model
Drawing (PDF)
Product Specification PS-71243-9999 (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)	0.127 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	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

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

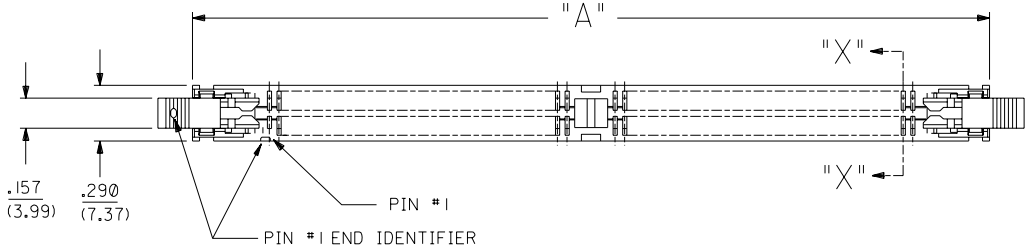
Material Info

Reference - Drawing Numbers

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

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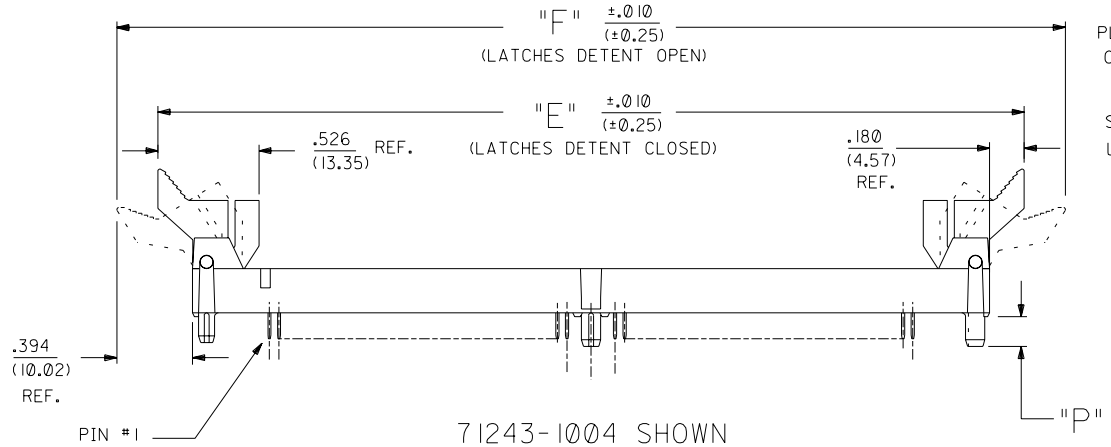
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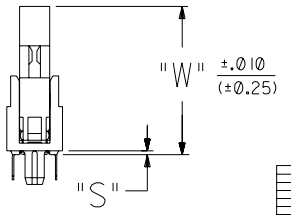
NOTES:
1. CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS. (MEASURED OVER P.C. PADS).
2. ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED ON THE DWG.
3. REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER 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.
LATCH AT PIN #1 END IS IVORY COLOR.
LATCH AT OPPOSITE END IS BLACK COLOR.

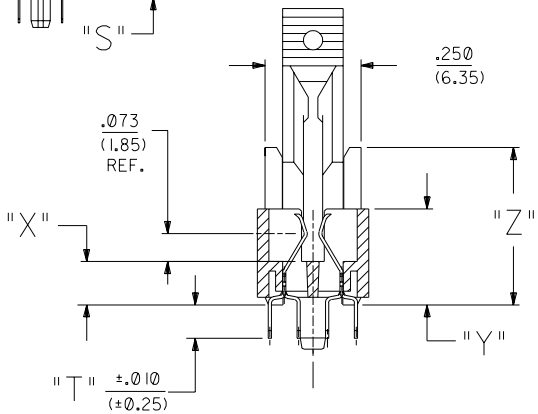
PLATING:
CONTACT AREA: GOLD (Au) FLASH: THICKNESS=2-10 MICROINCH/(0.05-0.25 MICROMETER), OVER PALLADIUM-NICKEL (Pd-Ni): THICKNESS=30 MICROINCH/(0.76 MICROMETER) MINIMUM.
SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.
UNDERPLATE: NICKEL (Ni) OVER ENTIRE CONTACT.



71243-1004 SHOWN

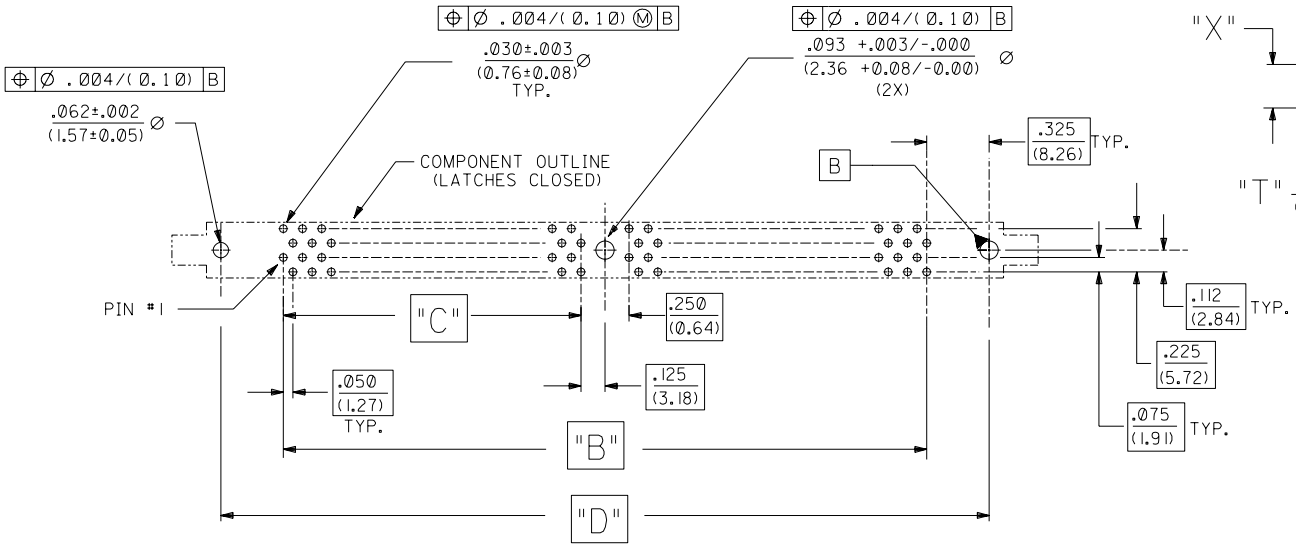


NOTE FOR LEAD FREE CONVERSION:
THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.



SECTION "X-X"

SCALE 4:1



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

LTR.	REVISIONS	REV.	SH.	MFG.
E1	ADD LEAD FREE NOTE ECN# UCP2004-1732 DMORGAN 04/03/09			
E	CHG Sn-Pb THICKNESS ECN# UDT1999-0454 DMORGAN 99/08/09			
D	REVISED PER ECR# U61133 96-10-1 LAURX			
C	REVISED PER ECR# U60883 3-18-96 JCL			
B	REVISED PER ECR# U51288 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	

REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY JCL | CHK'D. BY DCB | APP'D. BY | SCALE 2:1

TITLE
.050/(1.27) PITCH
SINGLE HIGH KEY DIMM
SALES DRAWING

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.
SHEET NO. 1 OF 2
DATE 10/17/94
PART NO. SEE CHART
DRWG. NO. SDA-71243-1***
FILE NAME S7124311 DGN

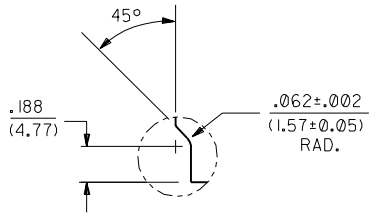
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DIV. CP | SIZE C

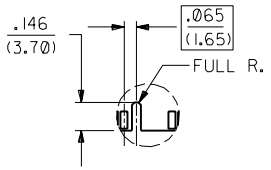
71243

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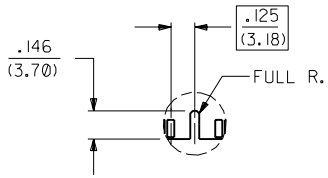
X= N.T.	ITEM NUMBER 71243	CIRCUIT SIZE	KEYING	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'	DIM 'H'	DIM 'P'	DIM 'S'	DIM 'T'	DIM 'W'	DIM 'X'	DIM 'Y'	DIM 'Z'
	-1001	200	OFFSET LEFT	5.950 (151.13)	5.150 (130.81)	2.450 (62.63)	5.800 (147.32)	6.310 (160.28)	6.738 (171.14)	5.650 (143.51)	5.384 (136.75)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



PREFERRED DETAIL "A"



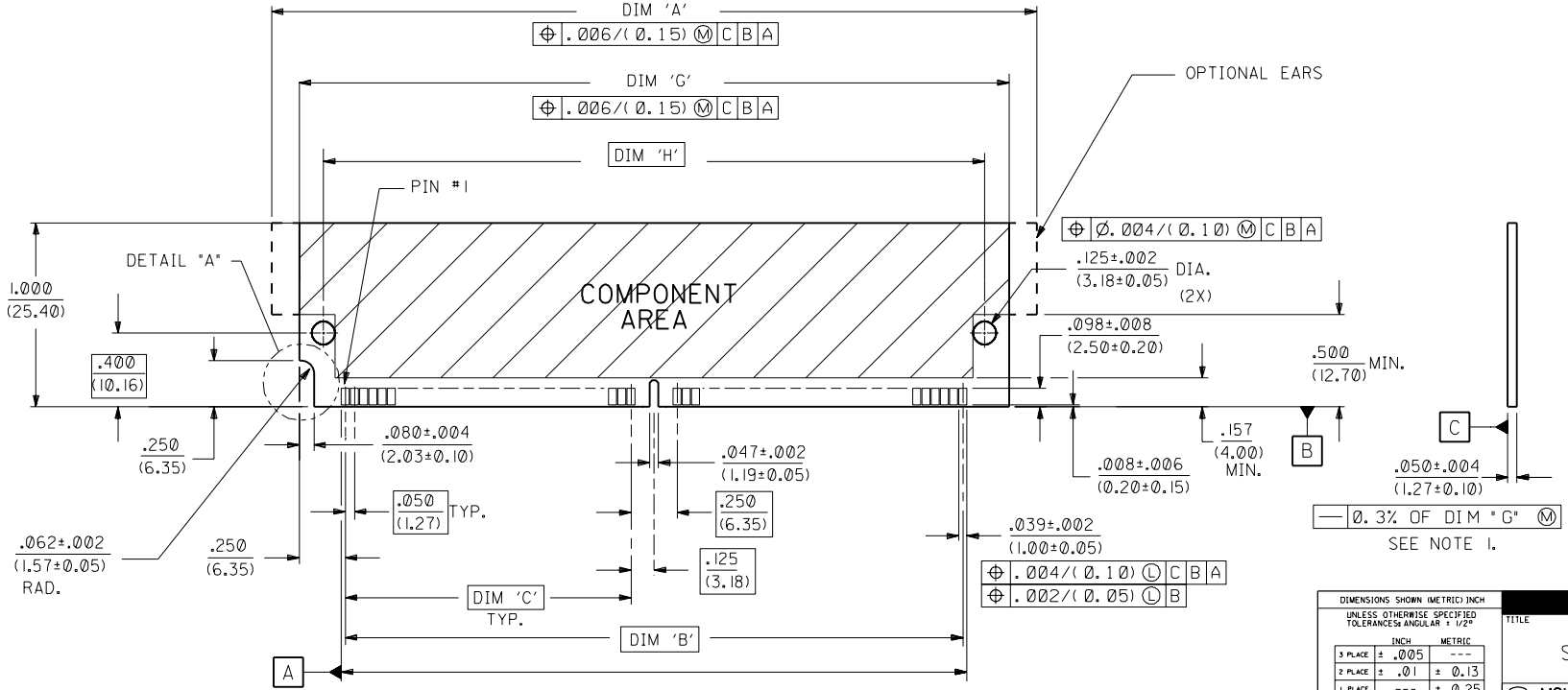
OFFSET LEFT KEY



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 1
C	SEE SHEET 1
B	SEE SHEET 1
A	SEE SHEET 1
2	SEE SHEET 1
1	SEE SHEET 1

MFG.	SH.	REV.	LTR.	REVISIONS

REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

TITLE: .050/(1.27) PITCH SINGLE HIGH KEY DIMM SALES DRAWING

MOLEX INCORPORATED, LISLE, ILL. 60532 U.S.A.

SHEET NO. 2 | DATE 10/17/94

PART NO. SEE CHART | DRWG. NO. SDA-71243-1***

DRWG. BY	CHK'D. BY	FILE NAME	DIV.	SIZE
JCL	DCB	S7124312 DGN	CP	C
APP'D. BY	SCALE 2:1			

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71243