

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0712430102

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)

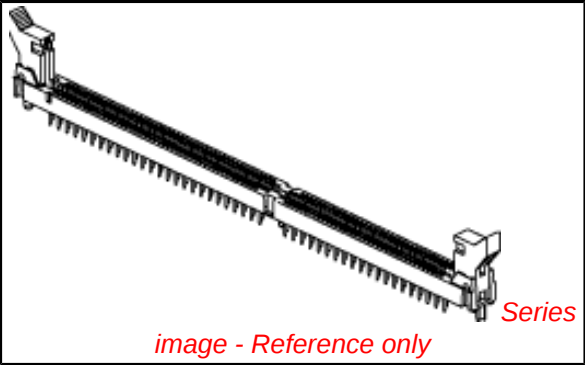
General	
Product Family	Memory Module Sockets
Series	71243
Component Type	Memory Module
JEDEC Outline	MO-167
Product Name	DIMM
Physical	
Circuits (Loaded)	144
Circuits (maximum)	144
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical
Function Key	None
Keying to Mating 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)

Material Info

Reference - Drawing Numbers	
Product Specification	PS-71243-9999



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

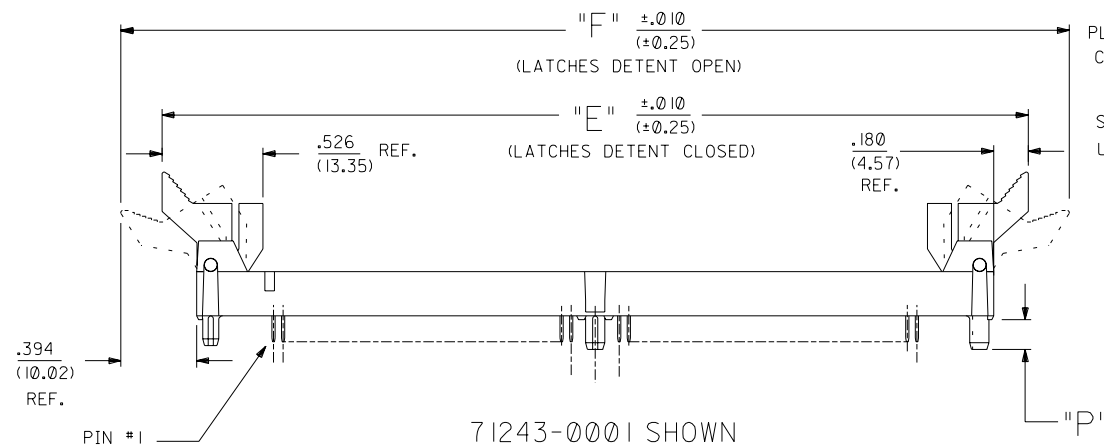
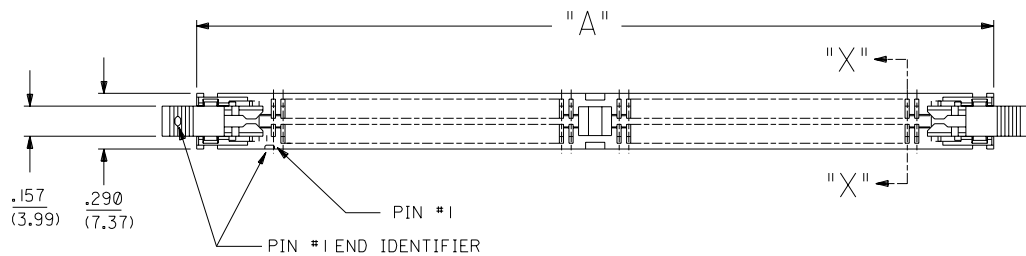
71243Series

Mates With

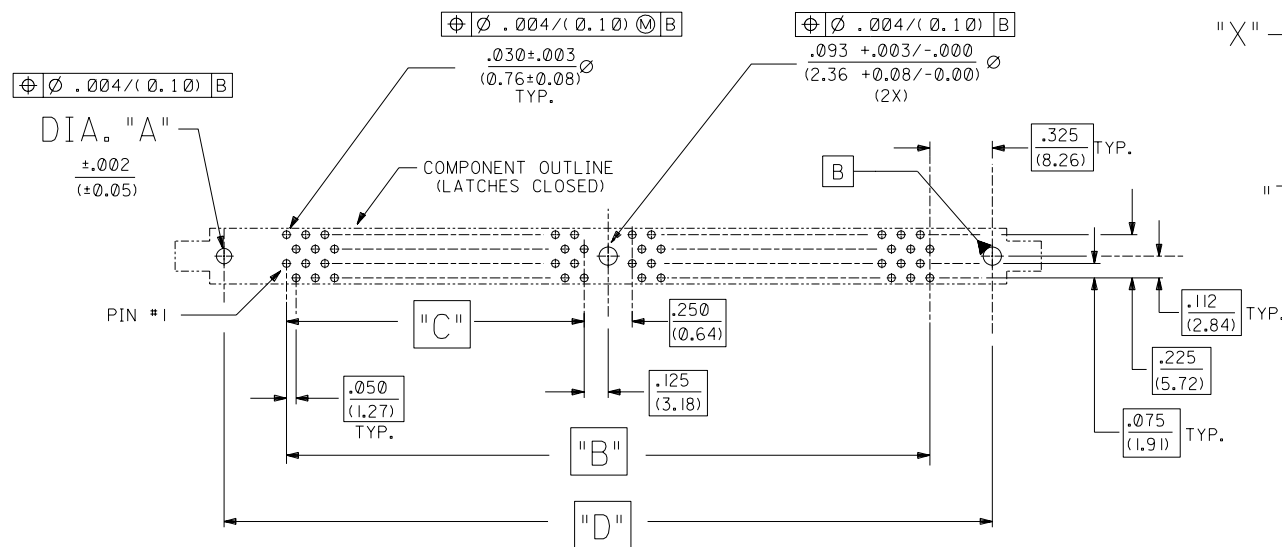
JEDEC MO-167 Modules

This document was generated on 04/13/2010

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71243-0001 SHOWN



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 JEDEC MO-167.
- 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:

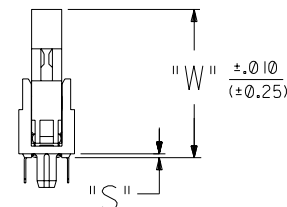
- HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
 TERMINAL - PHOSPHOR BRONZE
 LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0.
 LATCH AT PIN #1 END IS IVORY COLOR.
 LATCH AT OPPOSITE END IS BLACK COLOR.

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.

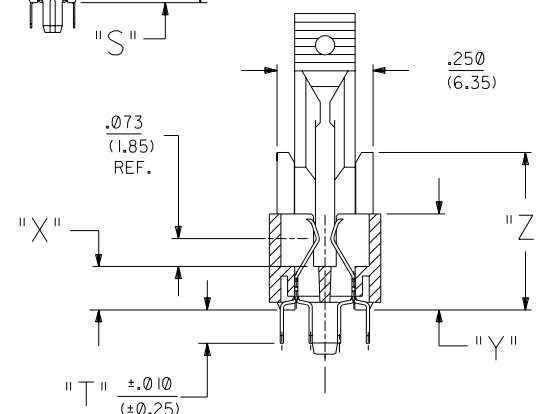
SOLDER TAILS: TIN (Sn); THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

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

2	A	A	RELEASED
1	A	ECR UCP2005-0167	REKADAMS 04/8/3
MFG.	SH.	REV.	LTR.
			REVISIONS

REVISIONS

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .005	INCH	METRIC
2 PLACE	± .01	± .013	
1 PLACE	---	± .025	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	RKA	CHK'D. BY	BB
APP'D. BY	SM	SCALE	2:1
FILE NAME	571243X1.DGN	SHEET NO.	1 OF 2
SEE CHART		DATE	04/ 8/ 3
SD-71243-001		DIV.	CP
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE	

RECOMMENDED MODULE LAYOUT

PREFERRED DETAIL "A"

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.

OPTIONAL EARS

SEE NOTE 1.

REVISIONS

REV.	DATE	DESCRIPTION
1	04/ 8/ 3	ISSUED FOR SALES

FILE NAME: S71243X2 DGN

SCALE: 2:1

DRWG. BY: RKA

CHKD. BY: BB

APP'D. BY: SM

DATE: 04/ 8/ 3

SIZE: CP C

DIV.: