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Part Number: [0712515191](#)
Status: **Active**
Description: 1.27mm (.050") Pitch DIMM Socket, Multiple Keys, Vertical, Plastic Peg, 100 Circuits, 3.3V Unbuffered

Documents:

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

General

Product Family	Memory Module Sockets
Series	71251
Comments	Function Key Center, Voltage Key Center
Component Type	Memory Module
JEDEC Outline	MO-161
Product Name	DIMM

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Function Key	Offset Right
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
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

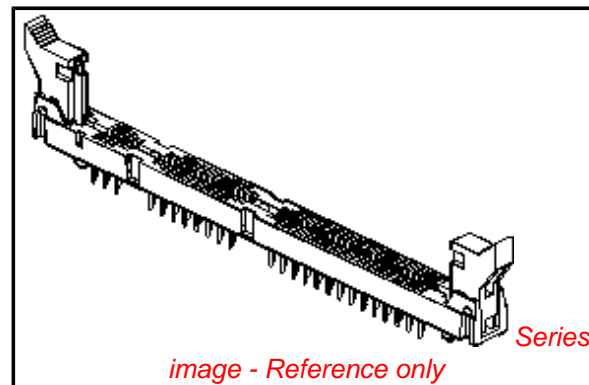
Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	100V AC (RMS)/DC
Voltage Key	Center

Material Info

Reference - Drawing Numbers

Product Specification	PS-71243-9999
Sales Drawing	SD-71251-002



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

[71251Series](#)

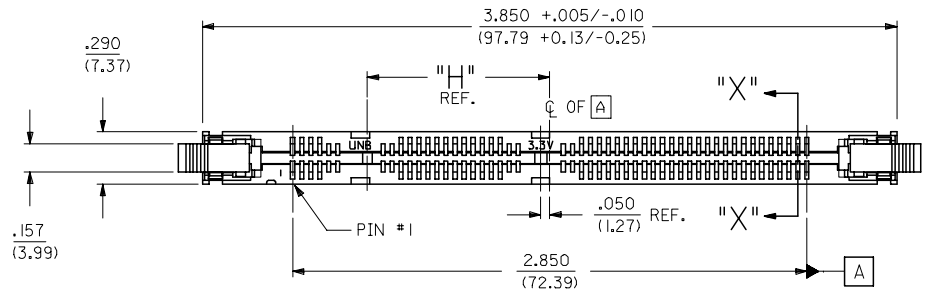
Mates With

JEDEC MO-161 modules

This document was generated on 04/13/2010

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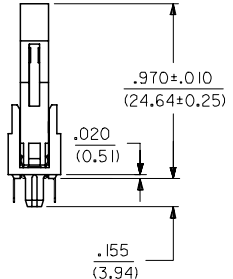
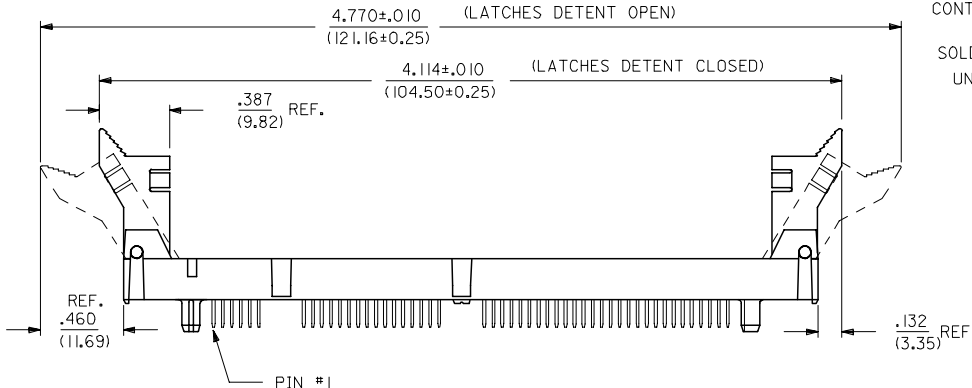
13 12 11 10 9 8 7 6 5 4 3 2 1



- 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 FOR PERFORMANCE SPECIFICATIONS.
 - PRODUCT IS PACKAGED IN TRAYS.
 - RECOMMENDED MODULE LAYOUT SHALL BE PER MO-161.
 - 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.

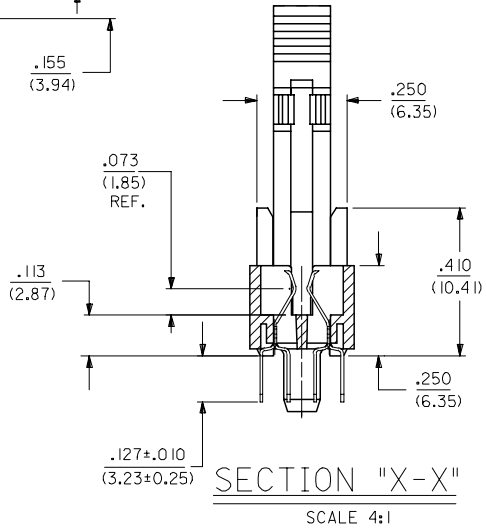
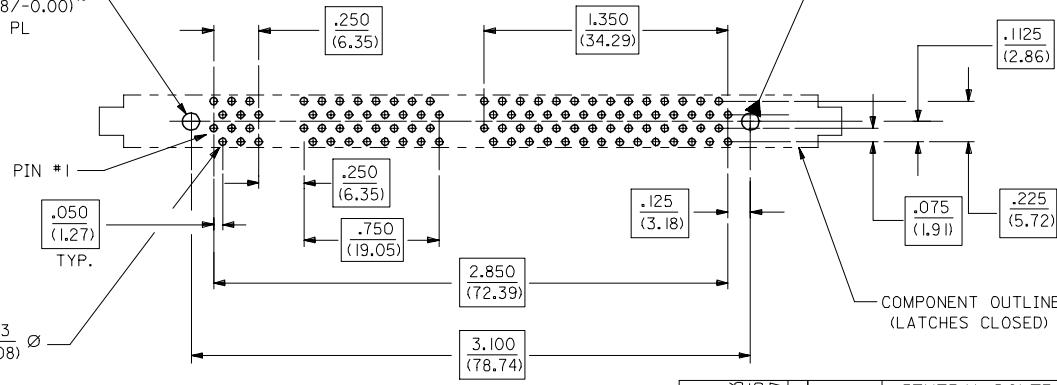
PLATING:
 CONTACT AREA: MOLEX EBI LUBRICANT OVER GOLD (Au): THICKNESS=10 MICROINCH/(0.25 MICROMETER) MINIMUM.
 SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.
 UNDERPLATE: NICKEL (Ni) OVER ENTIRE CONTACT.



⊕ ∅ .004 / (0.10) B 2 PL

71251-5101 SHOWN

.093 ±.003 / -.000 (2.36 ±0.08 / -0.00) ∅ 2 PL



SECTION "X-X"
 SCALE 4:1

2	A
1	A
SHT	REV

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

INITIAL RELEASE EC NO: UCP2005-1614 DRAWN BY: DRWNSMART CHKD BY: CHKD BBARKER APPR: SMILLER	2005/04/26 2005/05/05 2005/06/17	DESCRIPTION
REV	A	

QUALITY SYMBOLS	
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .005
2 PLACES ± 0.13	± .01
1 PLACE ± 0.25	± ---
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

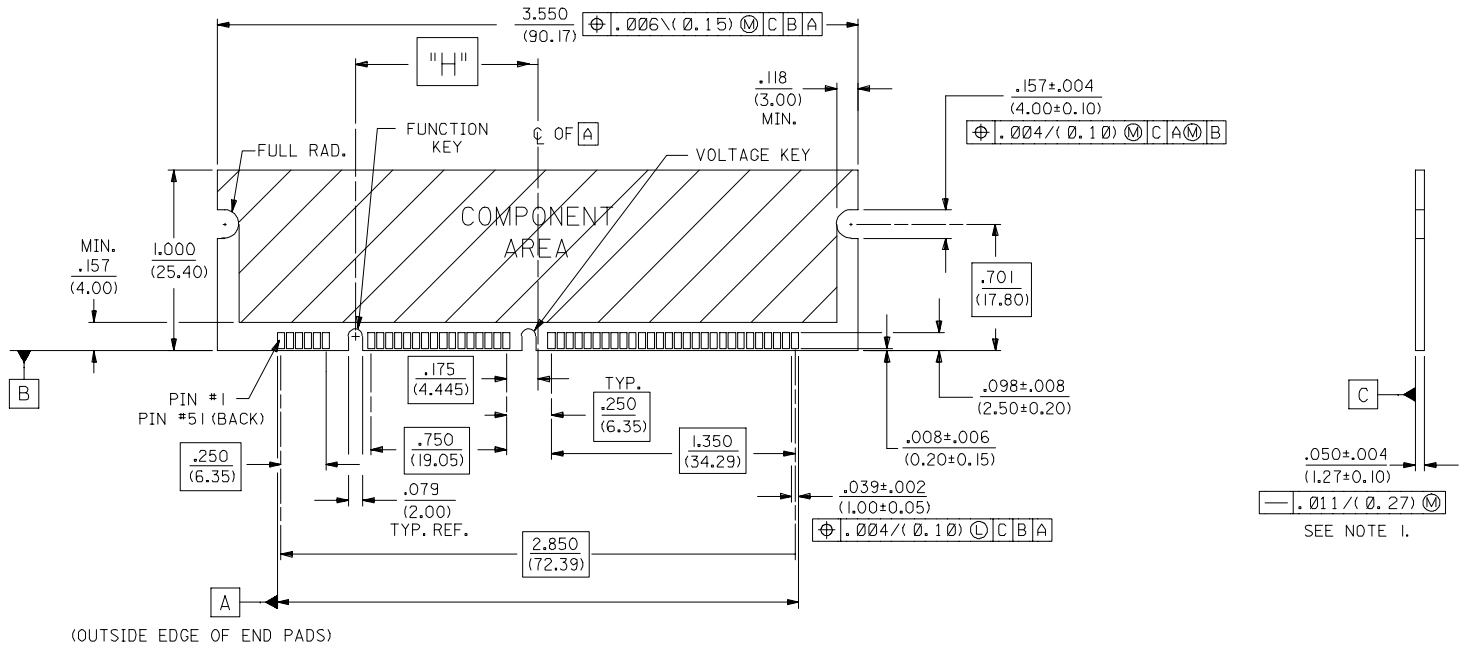
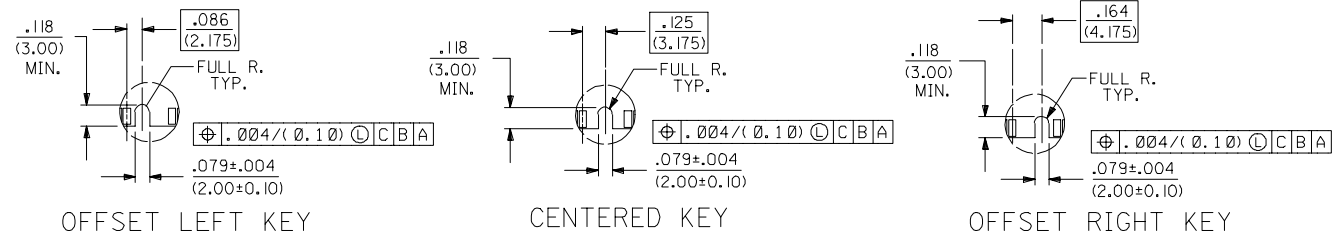
DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
BSMART	02/15/2005
CHECKED BY	DATE
BBARKER	02/15/2005
APPROVED BY	DATE
SMILLER	02/15/2005
MATERIAL NO.	DOCUMENT NO.
SEE TABLE	SD-71251-002

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
2:1	INCH	
SALES ASSEMBLY .050 PITCH DIMM 100 CKT MULTI-KEY		
MOLEX INCORPORATED		
SHEET NO.	1 OF 2	

12 11 10 9 8 7 6 5 4 3 2 1

PART NUMBER	DESCRIPTION	FUNCTION KEY	VOLTAGE KEY	DIM. "H"
71251-5191	3,3 VOLT UNBUFFERED	OFFSET RIGHT	CENTER	.1011 (25.68)

- 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.



INITIAL RELEASE EC NO: UCP2005-1614 DRW:BSMART 2005/04/26 CHK:DBARKER 2005/05/05 APPR:SMILLER 2005/06/17	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	mm	INCH	DRAWN BY BSMART	DATE 02/15/2005	TITLE SALES ASSEMBLY .050 PITCH DIMM 100 CKT MULTI-KEY			
		3 PLACES ± --- ± .005			CHECKED BY BBARKER	DATE 02/15/2005	MATERIAL NO. SD-71251-002			
		2 PLACES ± 0.13 ± .01			APPROVED BY SMILLER	DATE 02/15/2005	SHEET NO. 2 OF 2			
1 PLACE ± 0.25 ± ---		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		