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Part Number: 0712515102
Status: Active
Description: 1.27mm (.050") Pitch DIMM Socket, Vertical, Multiple Keys, Plastic Peg, 100 Circuits, 5.5V Unbuffered

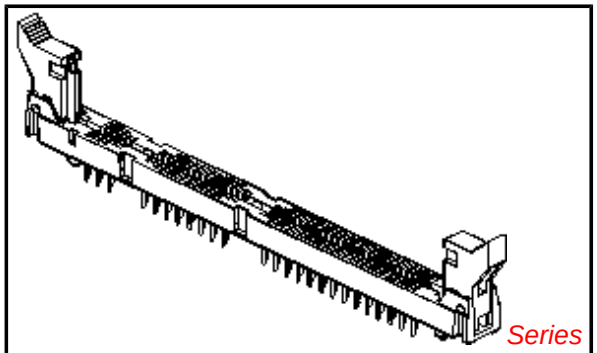


image - Reference only

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	71251
Comments	Function Key Offset Right, Voltage Key Offset Left
Component Type	Memory Module
JEDEC Outline	MO-161
Product Name	DIMM

Physical

Circuits (Loaded)	100
Color - Resin	Black, Natural
Durability (mating cycles max)	25
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
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
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating 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
Voltage Key	Detail Z

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Product Specification	PS-71243-9999
Sales Drawing	SDA-71251-5***

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

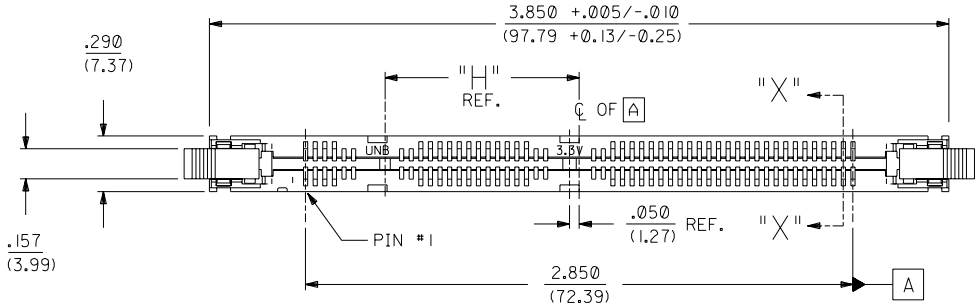
Please visit the Contact Us section for any non-product compliance questions.

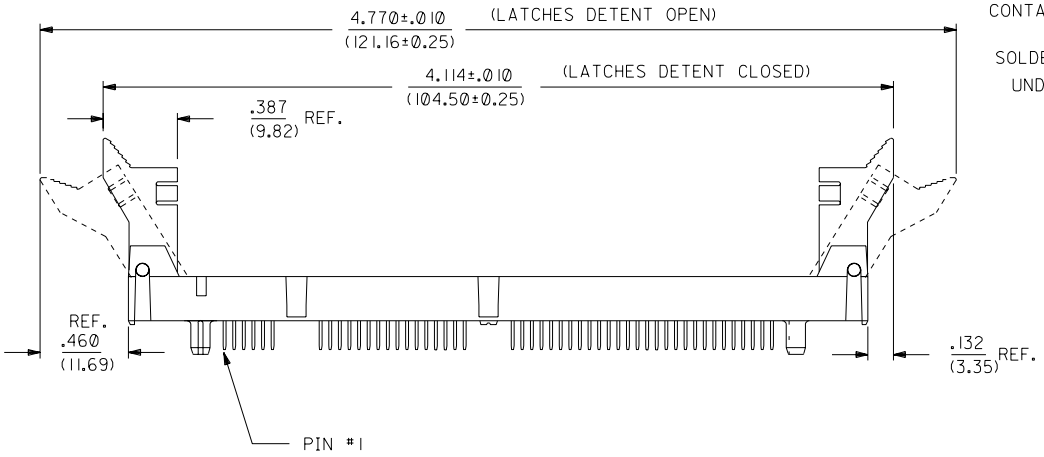
Search Parts in this Series
71251Series

Mates With
JEDEC MO-161 modules

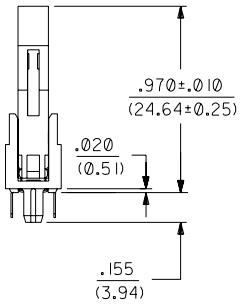
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71251-5101 SHOWN

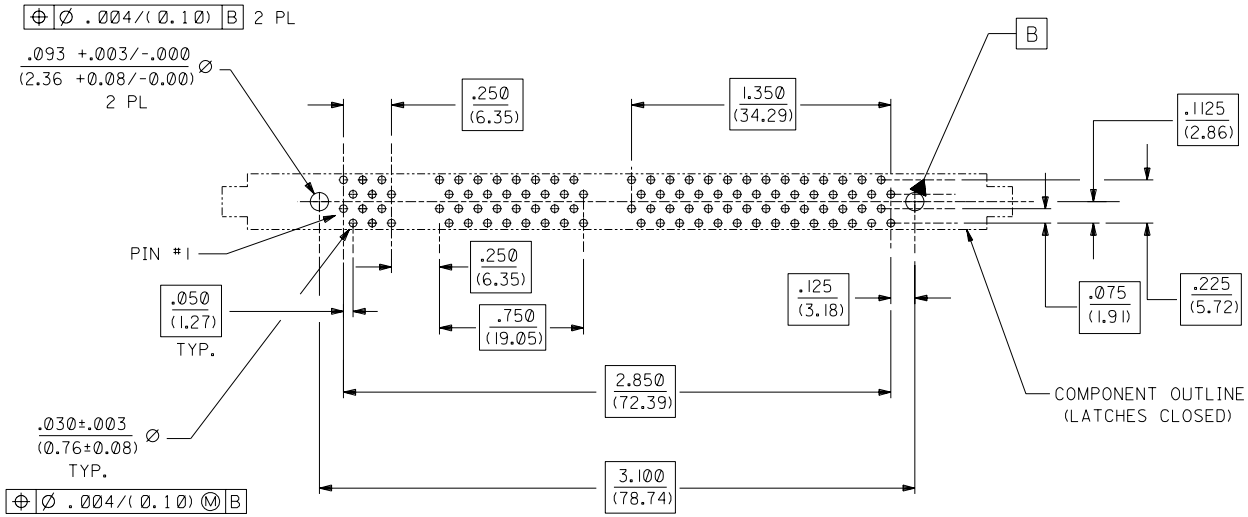


NOTES:
1. CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS. (MEASURED OVER P.C. PADS).
2. ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED ON THE DWG.
3. REFER TO PRODUCT SPEC. PS-71243 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER MO-161.
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.

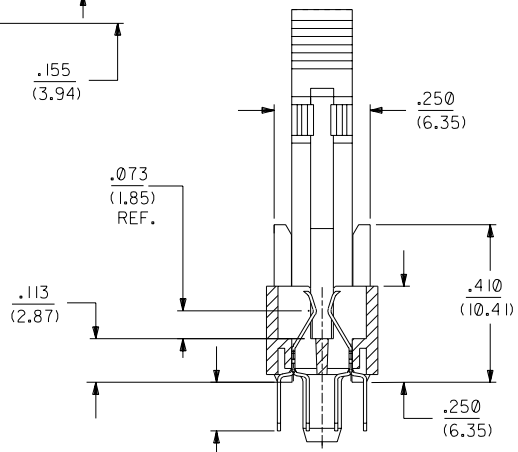
MATERIALS:
HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
TERMINAL - PHOSPHOR BRONZE
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.

PLATING:
CONTACT AREA: MOLEX EB1 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.

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.



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



SECTION "X-X"

SCALE 4:1

MFG.	SH.	REV.	LTR.	REVISIONS
	2	A1	C1	ADD LEAD FREE NOTE ECN# UCP2004-1732 DMORGAN 04/03/09
	1	C1	C	CHANGE PLATING ECN# UDT2002-0772 DMORGAN 02/01/22
			B	CHG Sn-Pb THICKNESS ECN# UDT1999-0454 DMORGAN 99/08/09
			A1	REVISED PER ECR# U80435 97-8-8 LAURX
			A	REVISED PER ECR# U70042 96-7-23 LAURX
			2	REVISED PER ECR# U61257 4-10-96 JCL
			1	X-RELEASE PER ECR# U61175 3-26-96 JCL

REVISE ONLY ON CAD SYSTEM

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

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

TITLE: .050 PITCH DIMM 100 CKT MULTI-KEY SALES DRAWING

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

SHEET NO. 1 OF 2 | DATE 03/26/96

PART NO. SEE CHART | DRWG. NO. SDA-71251-5***

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

FILE NAME 571251S1.DGN

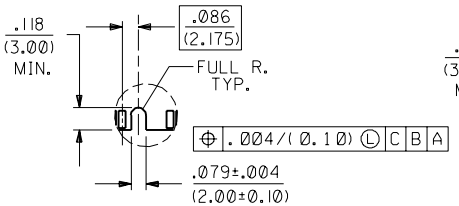
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DIV. CP | SIZE C

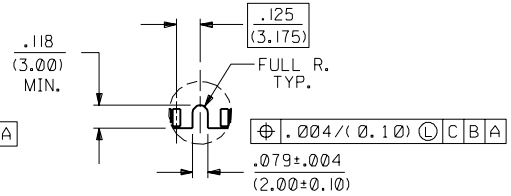
71251

PART NUMBER	DESCRIPTION	FUNCTION KEY	VOLTAGE KEY	DIM. "H"
71251-5101	3.3 VOLT UNBUFFERED	OFFSET RIGHT	CENTER	1.011 (25.68)
71251-5102	5.0 VOLT UNBUFFERED	OFFSET RIGHT	OFFSET LEFT	1.011 (25.68)

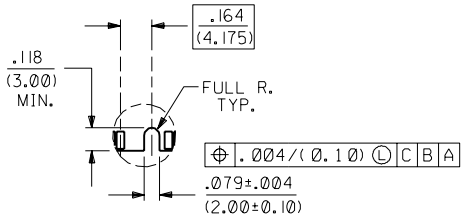
NOTES:
1. STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP .157/(4.00).
2. IF TIE BARS ARE ATTACHED TO PADS, THE TIE BAR SHOULD BE ON AN INTERNAL LAYER, SO THAT THE REMNANT CANNOT CAUSE DAMAGE TO THE CONTACTS.



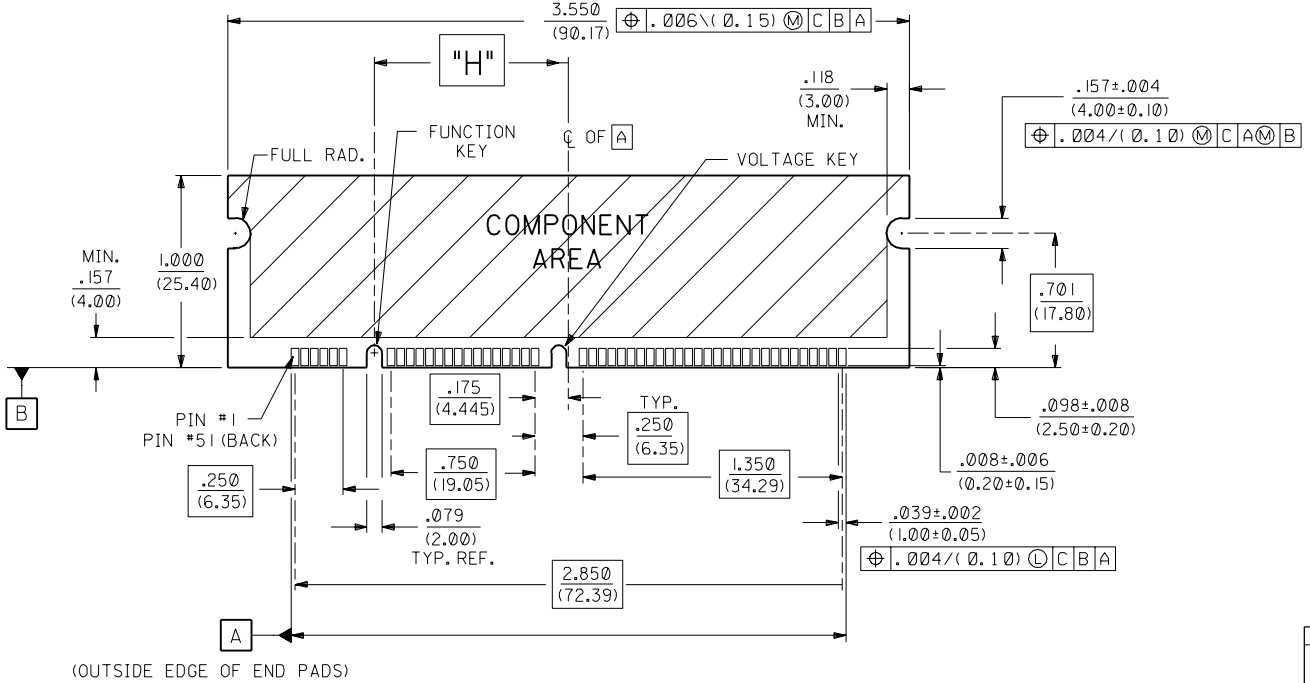
OFFSET LEFT KEY



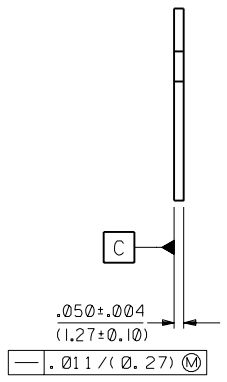
CENTERED KEY



OFFSET RIGHT KEY



RECOMMENDED MODULE LAYOUT
100 CKT 3.3V UNBUFFERED



MFG.	SH.	REV.	LTR.	REVISIONS
			A1	SEE SHEET 1
			A	SEE SHEET 1
			2	SEE SHEET 1
			1	SEE SHEET 1

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	CHK'D. BY	APP'D. BY
JCL	DCB	DCB

TITLE: .050 PITCH DIMM 100 CKT MULTI-KEY SALES DRAWING

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

SHEET NO. 2 | DATE 03/26/96

PART NO. SEE CHART | DRWG. NO. SDA-71251-5***

SCALE 2:1 | FILE NAME S71251S2.DGN

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