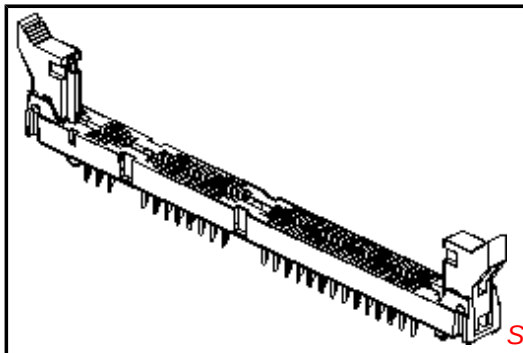
This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0712515101

Status: Active

Description: 1.27mm (.050") Pitch DIMM Socket, Vertical, Multiple Keys, Plastic Peg, 100 Circuits, 3.3V Unbuffered



Series 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 Center
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	Center

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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

Reference - Drawing Numbers

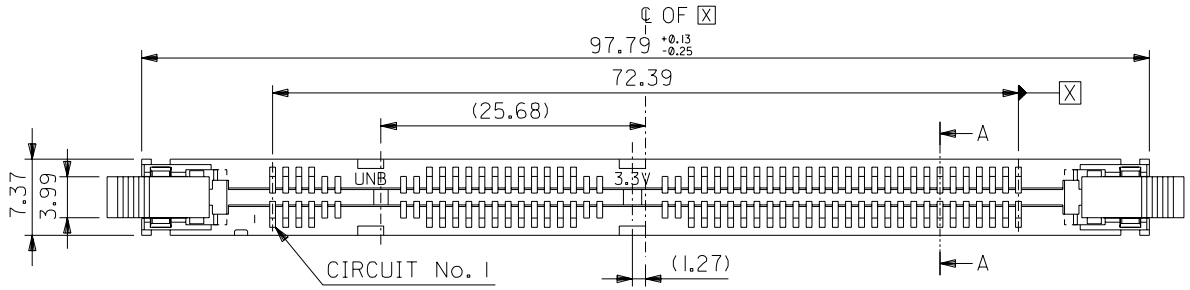
Product Specification	PS-71243-9999
Sales Drawing	SD-71251-5101, SDA-71251-5***

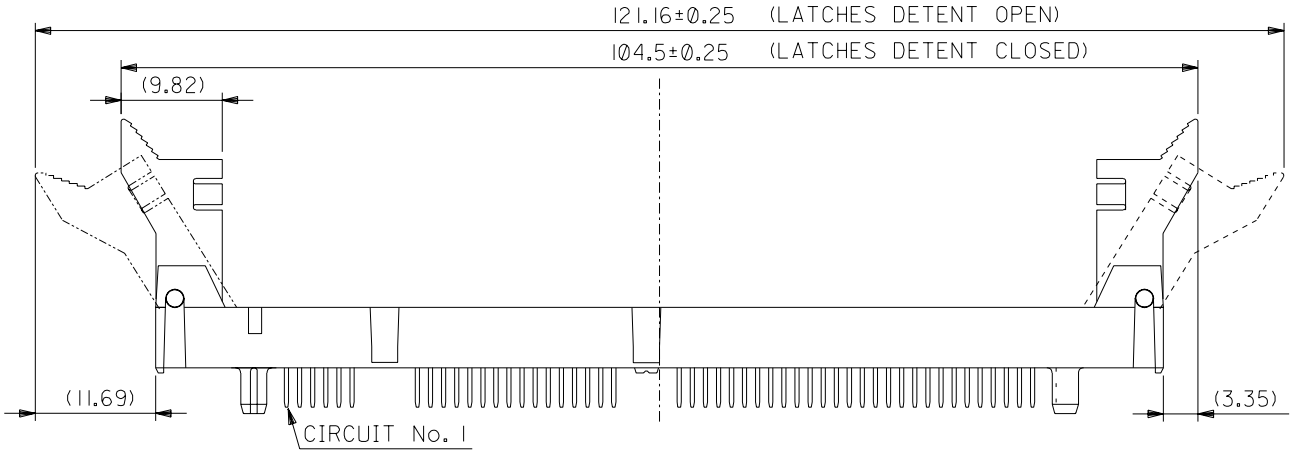
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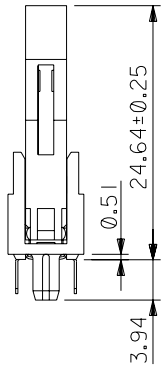
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

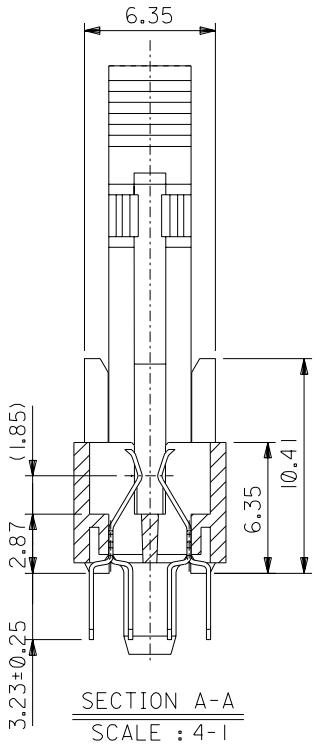
DWG. NO. SD-71251-5101

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

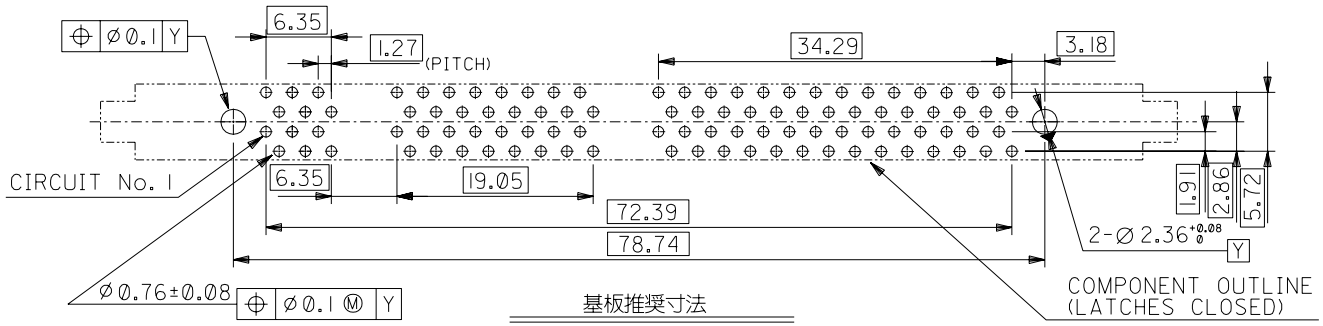








SECTION A-A
SCALE : 4-1



基板推奨寸法
RECOMMENDED P.C.B. LAYOUT

COMPONENT OUTLINE
(LATCHES CLOSED)

角度 ANGLE	±3°					
30 以上 OVER	±0.3					
10 以上 OVER 30 未満 UNDER	±0.25	A	変更 REVISED (J2004-4509)	Y.W M.S	'04/05/31	
10 未満 UNDER	±0.2	Ø	新規作成 PROPOSED (JD90709)	Y.H M.S	'98/11/12	
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE	

材料 MATERIAL
注参照
SEE NOTES

仕上げ 注参照
FINISH SEE NOTES

適用電線範囲
WIRE RANGE —//—

被覆外径
INS. RANGE —//—

DRAWN BY '98/11/12 T. Kirata
CHK'D BY H. Sasao
APP'D BY
尺度 SCALE 2 - 1

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.27 PITCH DIMM
100 CIRCUIT MULTI-KEY
HOUSING ASS'Y
-LEAD FREE-

DWG. NO. SD-71251-5101
SHEET 1 OF 2
REV A

S7125VU.DGN

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EN-0IC(032)MXJ-32

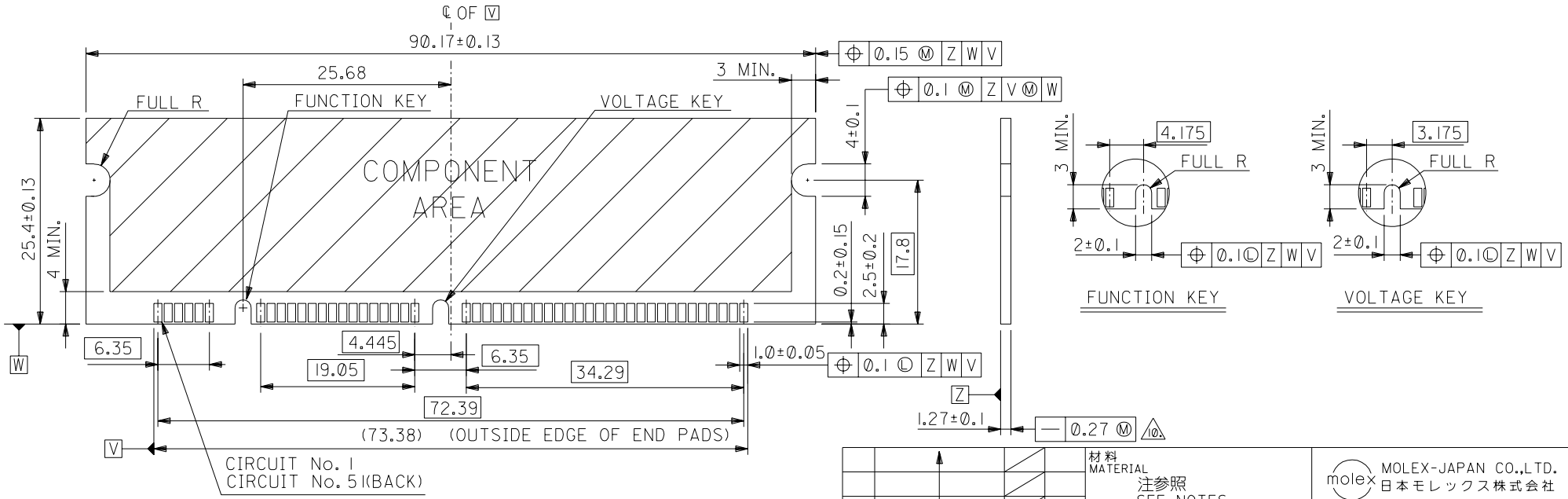
DWG. NO. SD-71251-5101

注記
NOTES:

1. モジュールの推奨基板厚：1.27±0.1　（パッド含む）
CARD SLOT ACCEPTS 1.27±0.1 MODULE THICKNESS. (MEASURED OVER P.C. PADS).
2. ペグには、基板に対する挿入力が発生します。
ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED ON THE DWG.
3. 製品仕様については、PS－71251－5101をご参照下さい。
REFER TO PRODUCT SPEC. PS-71251-5101. FOR PERFORMANCE SPECIFICATIONS.
4. 梱包形態は、トレイ梱包です。
PRODUCT IS PACKAGED IN TRAYS.
5. 推奨モジュール・レイアウトはMO－161をご参照下さい。
RECOMMENDED MODULE LAYOUT SHALL BE PER MO-161.
6. モジュール基板パッドの推奨メッキ仕様
金：0.76MICROMETER MIN.
ニッケル下地：2.0MICROMETER MIN.
RECOMMENDED PLATING ON MODULE PADS:
0.76MICROMETER MIN. HARD GOLD OVER 2.0MICROMETER MIN. NICKEL.
7. 製造日コードはハウジングの側面に刻印されます。
PRODUCT WILL HAVE DATE CODE STAMPED ON SIDE OF HOUSING.
8. 材質
ハウジング：耐熱性樹脂　（黒色）
ラッチ：耐熱性樹脂　（アイボリー）
ターミナル：リン青銅
MATERIALS:
HOUSING- HIGH-TEMP THERMOPLASTIC
COLOR: BLACK
LATCHES - HIGH-TEMP THERMOPLASTIC
COLOR: IVORY
TERMINAL- PHOSPHOR BRONZE
9. メッキ仕様
接点部：金メッキ0.05-0.25MICROMETER
パラジウムニッケル下地0.76MICROMETER MIN.
半田付け部：錫メッキ　3.81MICROMETER MIN.
下地メッキ：ニッケルメッキ1.27MICROMETER MIN.
PLATING:
CONTACT AREA: GOLD 0.05-0.25MICROMETER OVER PALLADIUM-NICKEL
SOLDER TAILS: TIN 3.81MICROMETER MIN.
UNDERPLATE: NICKEL 1.27MICROMETER MIN.

⑩. モジュール基板の真直度は、底辺より4mmの範囲に適用。
STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP 4.

11. 電解メッキなどのために、パッドにタブを設ける場合は、それがコネクターのコンタクト部を損傷する原因とならないよう、ご配慮下さい。
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.



FUNCTION KEY　　VOLTAGE KEY

基板推奨寸法
RECOMMENDED P.C.B. LAYOUT

一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
角度 ANGLE	±3°				
30以上 OVER	±0.3				
10以上 OVER 30未満 UNDER	±0.25	A			
10未満 UNDER	±0.2	0	SHEET 1 OF 2 参照 SEE SHEET 1 OF 2		

材料 MATERIAL：注参照 SEE NOTES
仕上げ FINISH：注参照 SEE NOTES
適用電線範囲 WIRE RANGE：//
被覆外径 INS. RANGE：//
DRAWN BY '98/11/12 T. Kirata　CHK'D BY H. Sasao
APP'D BY　尺度 SCALE 2 - 1

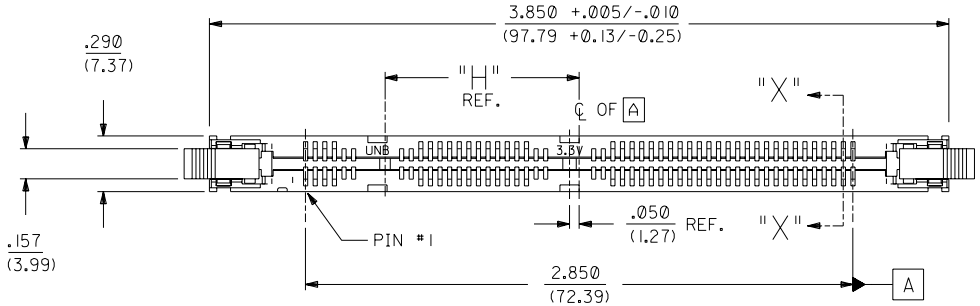
MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
REVISE ONLY ON CAD SYSTEM
TITLE 名称
1.27 PITCH DIMM 100 CIRCUIT MULTI-KEY HOUSING ASS'Y -LEAD FREE-
DWG. NO. SD-71251-5101　SHEET 2 OF 2　REV A

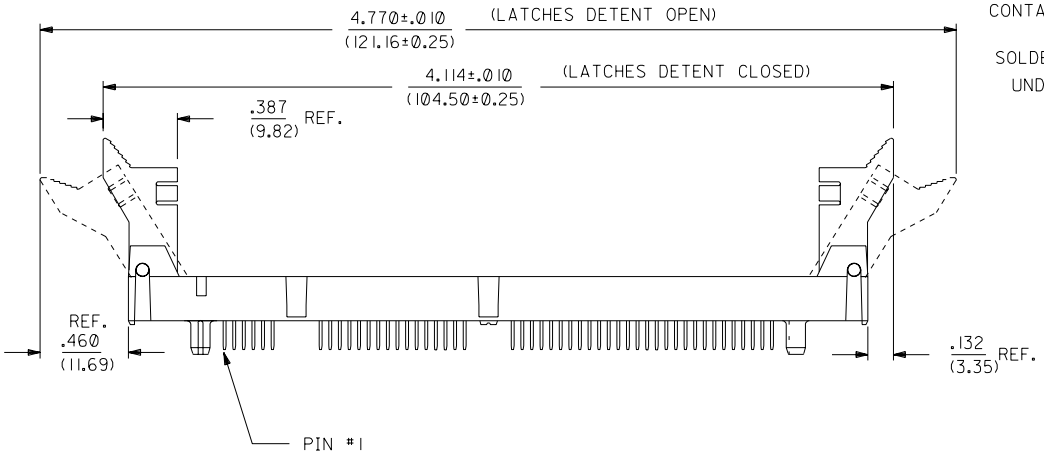
:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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本図面は日本モレックス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

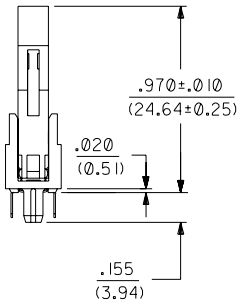
EN-01C(032)MXJ-32

S71251J2.DGN





71251-5101 SHOWN

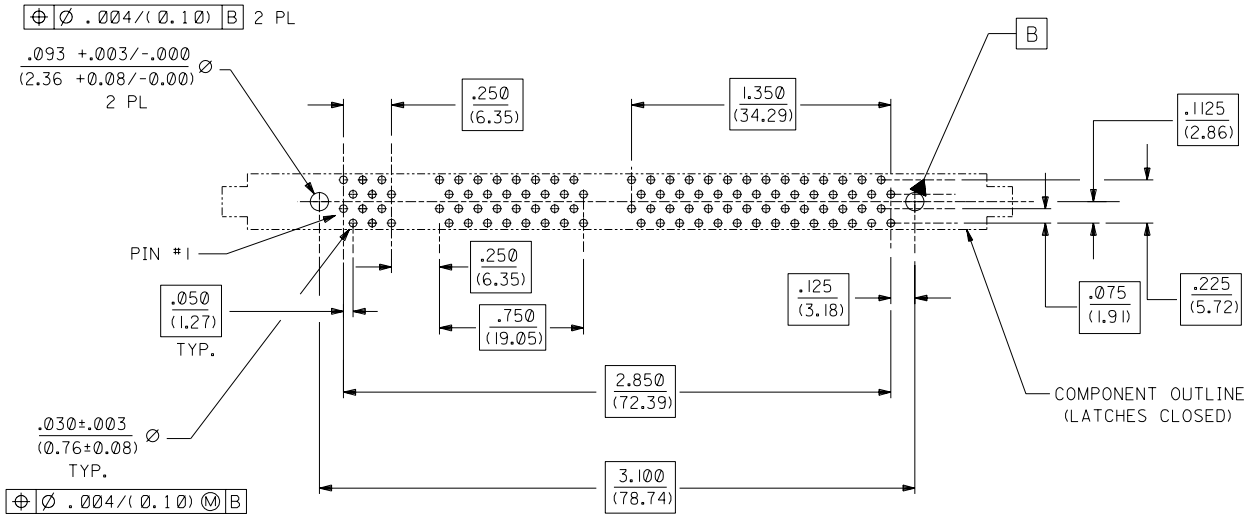


NOTES:
1. CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS. (MEASURED OVER P.C. PADS).
2. ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED ON THE DWG.
3. REFER TO PRODUCT SPEC. PS-71243 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER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

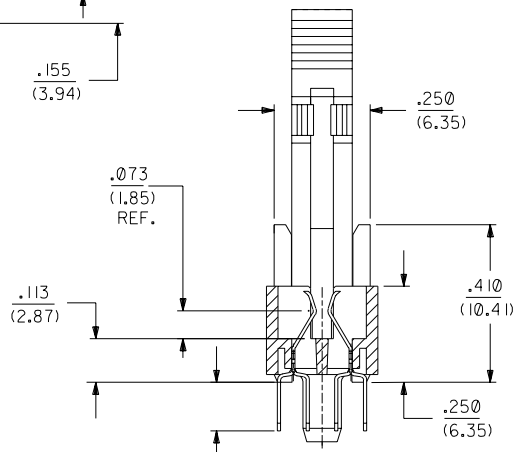
MATERIALS:
HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
TERMINAL - PHOSPHOR BRONZE
LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.

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

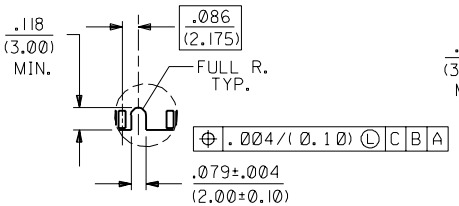
FILE NAME 571251_51.DGN

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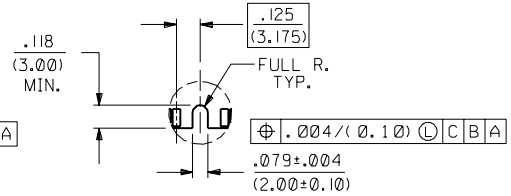
DIV. CP | SIZE C

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)

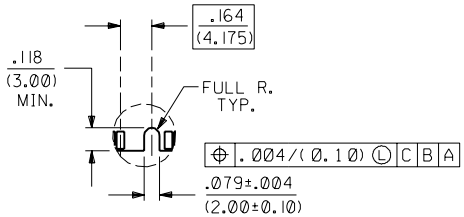
NOTES:
1. STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP .157/(4.00).
2. IF TIE BARS ARE ATTACHED TO PADS, THE TIE BAR SHOULD BE ON AN INTERNAL LAYER, SO THAT THE REMNANT CANNOT CAUSE DAMAGE TO THE CONTACTS.



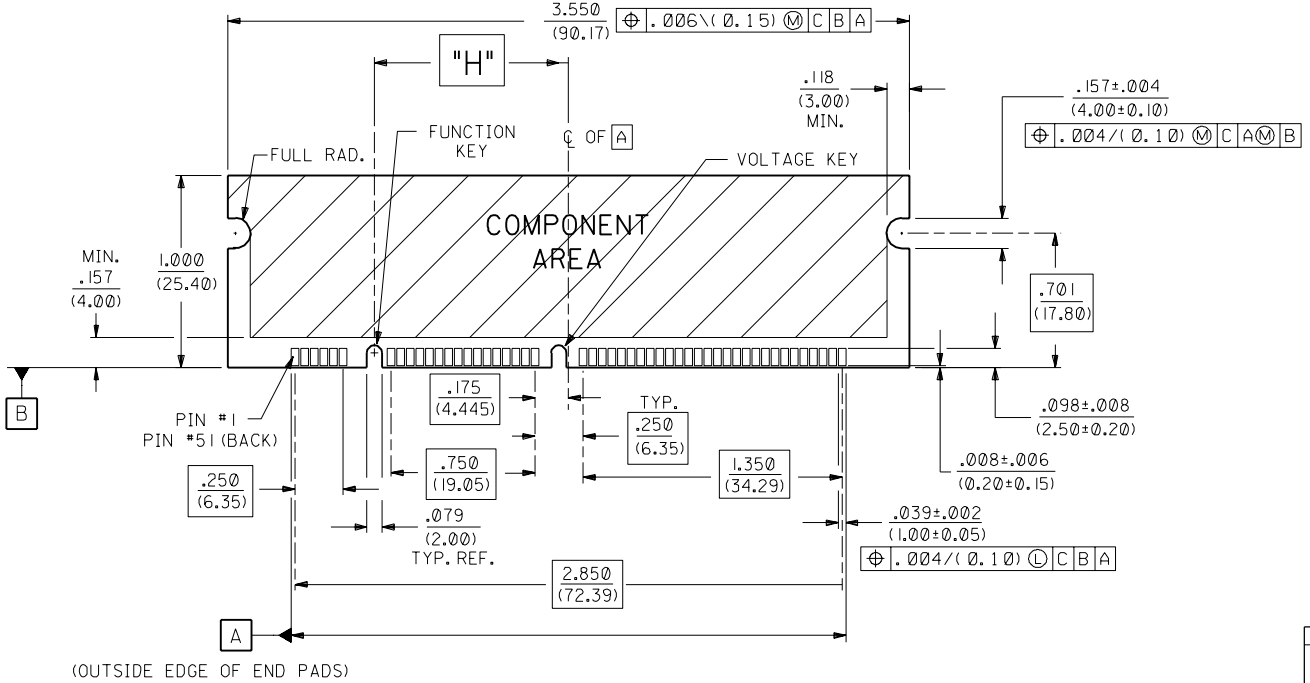
OFFSET LEFT KEY



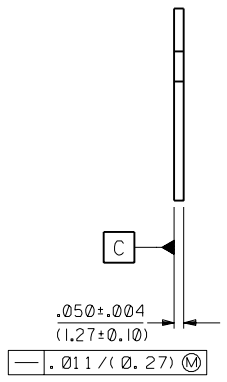
CENTERED KEY



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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DIV. CP | SIZE C

71251