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Part Number: [0546977001](#)
Status: **Active**
Description: 0.80mm (.031") Pitch S.O. DIMM Socket, Right Angle, Surface Mount, 4.00mm (.157") Mounted Height, 144 Circuits, 5.0V Power Supply, Lead-free

Documents:

[3D Model](#) [Product Specification PS-54697-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Memory Module Sockets
Series	54697
Comments	5.0V Power Supply
Component Type	Memory Module
JEDEC Outline	N/A
Product Name	S.O. DIMM

Physical

Circuits (Loaded)	144
Color - Resin	Natural
Durability (mating cycles max)	30
Entry Angle	90° Angle (Side Entry)
Keying to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	100V
Voltage Key	5.0V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54697-003, RPS-54697-006
Sales Drawing	SD-54697-004

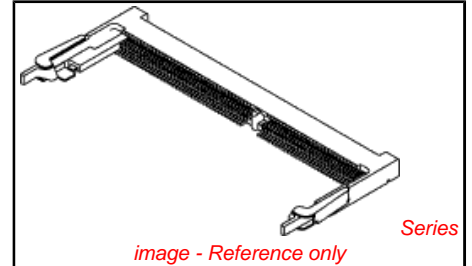


image - Reference only

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

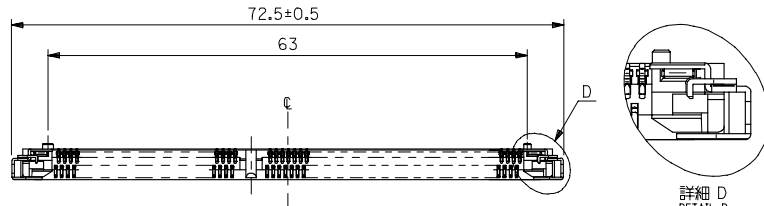
54697Series

Mates With

JEDEC Standard DRAM and SDRAM modules

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詳細 D
DETAIL D
SCALE 5:1

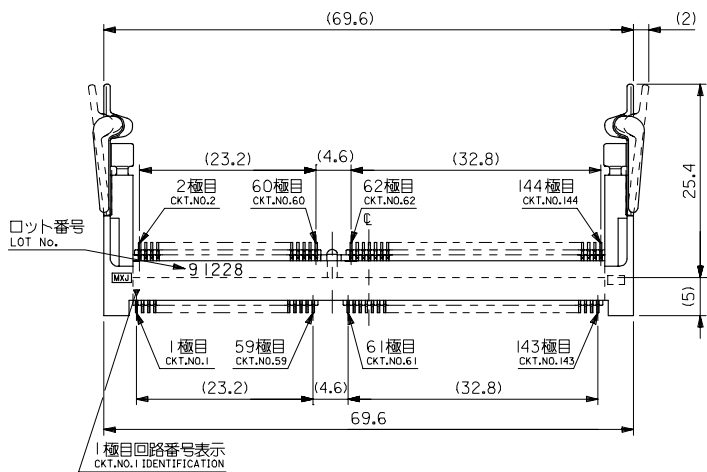
注記 1. 材料 ハウジング : ガラス入り耐熱樹脂、白色、UL94V-0
MATERIAL HOUSING : G.P.HEAT RESISTANT PLASTIC, WHITE, UL94V-0
ターミナル : 燐青銅
TERMINAL : PHOSPHOR BRONZE
ネイル : 黄銅
NAIL : BRASS

2. めっき仕様 ロングターミナル
PLATING LONG TERMINAL
接点部 : 金めっき 0.25µmMIN.
CONTACT AREA : GOLD 0.25 MICROMETER MIN.
半田付け部 : 錫めっき 1.0µmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MIN.
下地めっき : ニッケルめっき 2.0µmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MIN.
ショートターミナル
SHORT TERMINAL
接点部 : 金めっき 0.25µmMIN.
CONTACT AREA : GOLD 0.25 MICROMETER MIN.
半田付け部 : 錫めっき 1.0µmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MIN.
下地めっき : ニッケルめっき 2.0µmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MIN.

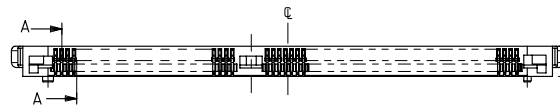
ネイル
NAIL
めっき : 1.0µmMIN.
TIN : 1.0 MICROMETER MIN.
下地めっき : ニッケルめっき 1.0µmMIN.
UNDER-PLATING : NICKEL 1.0 MICROMETER MIN.

3. テール平坦度は、0.1 MAX. とする。
TAIL COPLANARITY TO BE 0.1 MAX.
ネイル平坦度は、0.1 MAX. とする。
NAIL COPLANARITY TO BE 0.1 MAX.

4. 本製品は 54697-144* の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54697-144*.



1 極目回路番号表示
CKT.NO.1 IDENTIFICATION

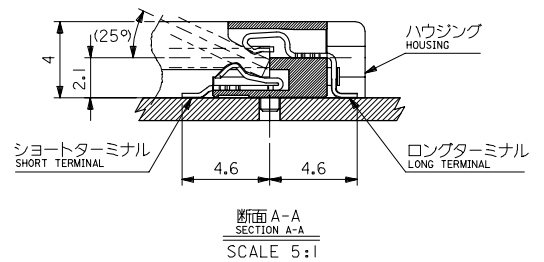
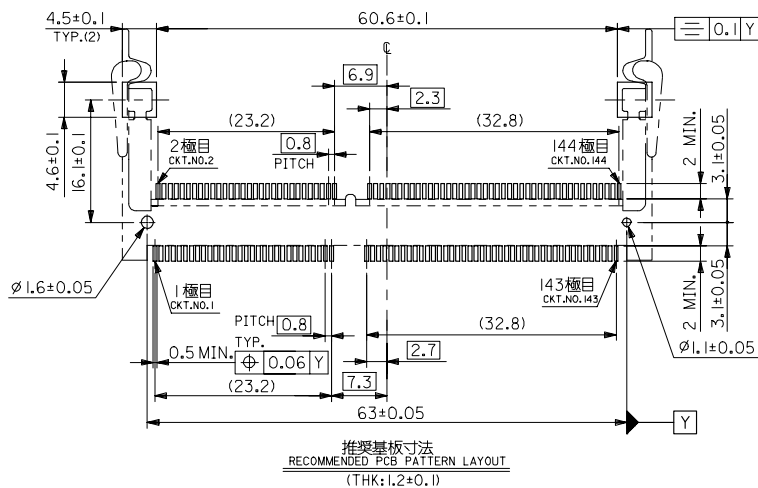


1.75	2.85	1.35	3.25	4.05	***V	ハードトレイ (高さ 9) HARD TRAY(HIGHT 9)	54697-7008		
						ハードトレイ (高さ 11) HARD TRAY(HIGHT 11)	54697-7005		
						標準トレイ NORMAL TRAY	54697-7002		
3.25	1.35	2.85	1.75	5.55	5.0V	ハードトレイ (高さ 9) HARD TRAY(HIGHT 9)	54697-7007		
						ハードトレイ (高さ 11) HARD TRAY(HIGHT 11)	54697-7004	54697-700*	144
						標準トレイ NORMAL TRAY	54697-7001		
2.5	2.1	2.1	2.5	4.8	3.3V	ハードトレイ (高さ 9) HARD TRAY(HIGHT 9)	54697-7006		
						ハードトレイ (高さ 11) HARD TRAY(HIGHT 11)	54697-7003		
						標準トレイ NORMAL TRAY	54697-7000		
E	D	C	B	A	POWER SUPPLY	標準トレイ NORMAL TRAY	MATERIAL NO.	MODEL NO.	CKT.

MATERIAL 材料
注記参照
SEE NOTES

FINISH 仕上げ
注記参照
SEE NOTES

REVISED REV. DESCRIPTION A	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER ±0.2	DRAWN BY Y.WADA	DATE 2004/05/14	TITLE 0.8MM PITCH S.O.DIMM SOCKET 144CKT H=4 -LEAD FREE-	
	10 OVER 30 UNDER ±0.25	CHECKED BY M.SASAO	DATE 2004/05/14	MOLEX INCORPORATED	
	30 OVER ±0.3	APPROVED BY M.SASAO	DATE 2004/05/14	DOCUMENT NO. SD-54697-004	
ANGULAR ±3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	SHEET NO. 1 OF 3		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

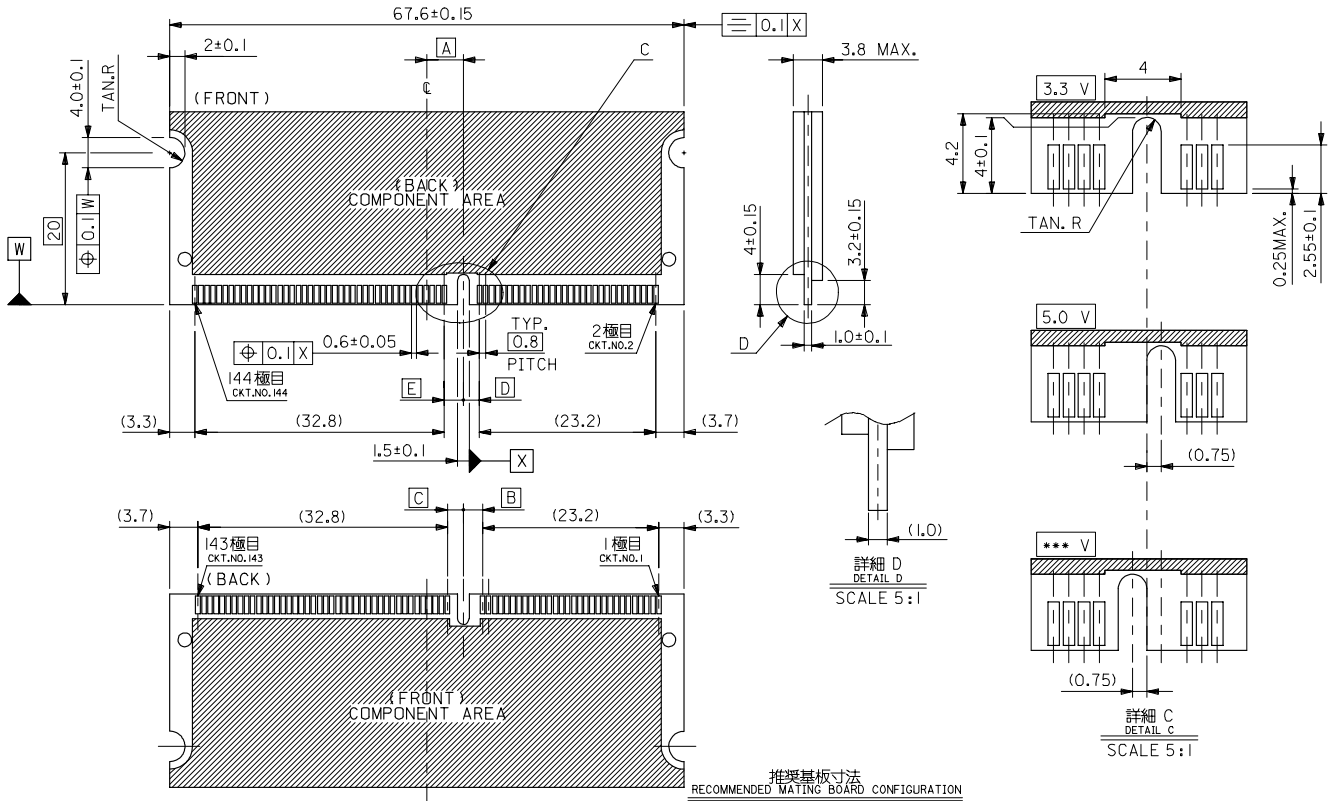


MATERIAL
材料
注記参照
SEE NOTES

FINISH
仕上げ
注記参照
SEE NOTES

REVISED REV A	EC NO: J2007-0519	2006/08/25	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	MODEL NO. 54697-700*
	DRWKS: ITO1	2006/08/25	10 UNDER ±0.2	DRAWN BY Y.WADA	DATE 2004/05/14	TITLE 0.8MM PITCH S.O.DIMM SOCKET 144CKT H=4 -LEAD FREE-	THIRD ANGLE PROJECTION
	CHKC: HARUYAMA	2006/08/25	10 OVER 30 UNDER ±0.25	CHECKED BY M.SASAO	DATE 2004/05/14	MOLEX MOLEX INCORPORATED	SHEET NO. 2 OF 3
	APPR: NIKITA	2006/09/04	30 OVER ±0.3	APPROVED BY M.SASAO	DATE 2004/05/14		
DESCRIPTION A			ANGULAR ±3 °	MATERIAL NO. SEE SHEET 1 OF 3	DOCUMENT NO. SD-54697-004	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	EN-02JA(021)			

10 9 8 7 6 5 4 3 2 1



推奨基板寸法
RECOMMENDED MATING BOARD CONFIGURATION
(THK:1.0±0.1)

MATERIAL
材料
注記参照
SEE NOTES

FINISH
仕上げ
注記参照
SEE NOTES

REVISED REV. DESCRIPTION A	EC NO. J2007-0519	2006/08/25	DRW:KSAI1001	2006/08/25	CHKC:THRUJANA	2006/08/25	APPR:NIKIITA	2006/09/04
	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC
	10 UNDER	±0.2		DRAWN BY Y.WADA		DATE 2004/05/14		TITLE 0.8MM PITCH S.O.DIMM SOCKET 144CKT H=4 -LEAD FREE-
	10 OVER 30 UNDER	±0.25		CHECKED BY M.SASAO		DATE 2004/05/14		MOLEX INCORPORATED
30 OVER	±0.3		APPROVED BY M.SASAO		DATE 2004/05/14		DOCUMENT NO. SD-54697-004	
ANGULAR ±3 °				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 1 OF 3		SHEET NO. 3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								EN-02JA(021)