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Part Number: **0546987000**
Status: **Active**
Description: 0.80mm (.031") Pitch S.O. DIMM Socket, Right Angle, Surface Mount, 5.20mm (.205") Mounted Height, 144 Circuits, 3.3V Power Supply, Lead-free

Documents:

[3D Model](#) [Product Specification PS-54698-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Memory Module Sockets
Series	54698
Comments	3.3V 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	3.3V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54698-003
Sales Drawing	SD-54698-004

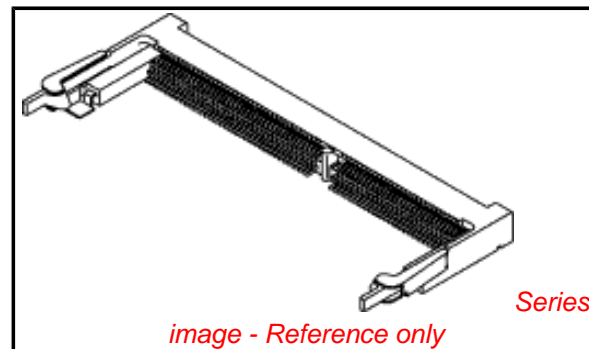


image - Reference only

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.

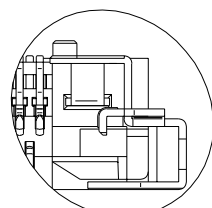
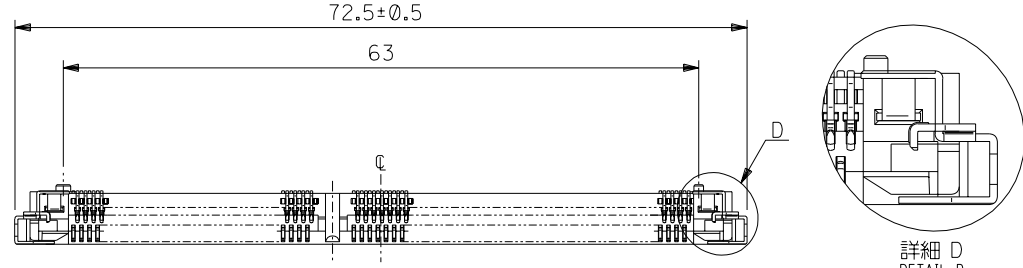
Search Parts in this Series

54698Series

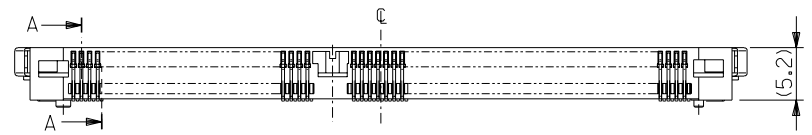
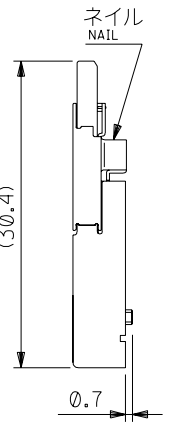
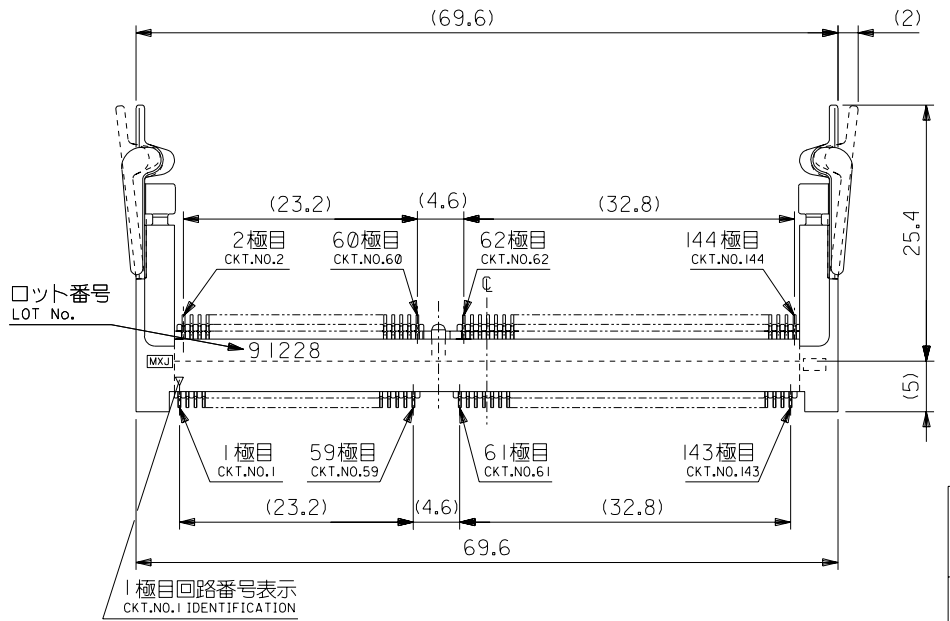
Mates With

JEDEC Standard DRAM and SDRAM modules

DWG. NO. SD-54698-004



詳細 D
DETAIL D
(SCALE 5:1)



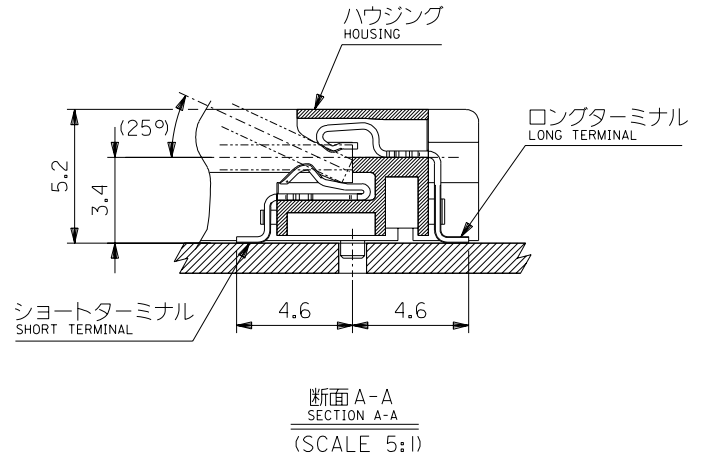
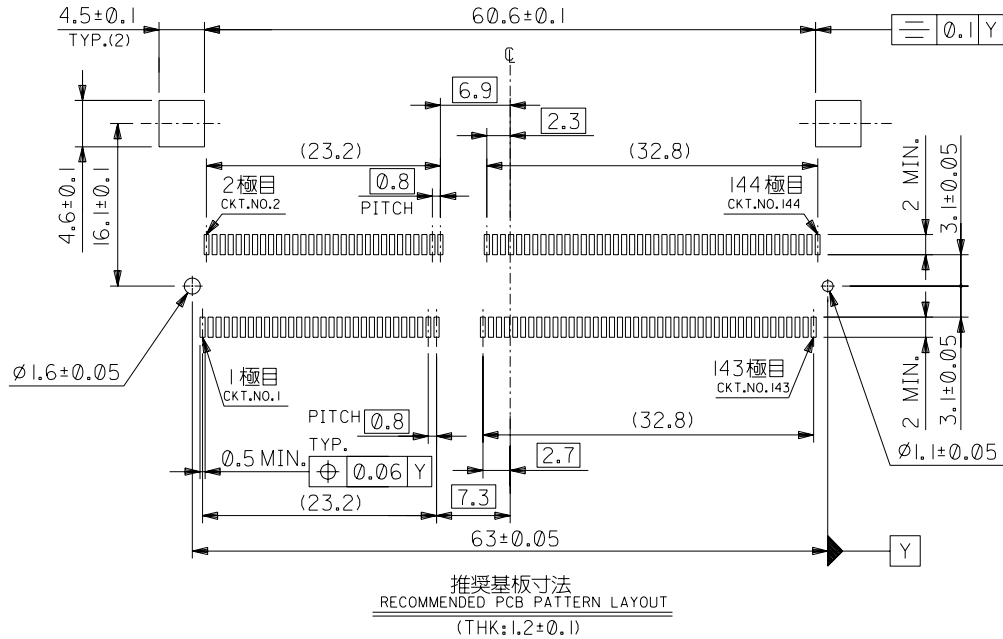
1極目回路番号表示
CKT.NO.1 IDENTIFICATION

- 注記 NOTES
- 材料 MATERIAL
ハウジング : ガラス入り耐熱樹脂、白色、UL94V-0
ターミナル : 燐青銅
TERMINAL : PHOSPHOR BRONZE
ネイル : 黄銅
NAIL : BRASS
 - めっき仕様 PLATING
ロングターミナル LONG TERMINAL
接点部 : 金めっき 0.25μmMIN.
CONTACT AREA : GOLD 0.25 MICROMETER MINIMUM.
半田付け部 : 錫めっき 1.0μmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 2.0μmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MINIMUM.
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 MINIMUM.
半田付け部 : 錫めっき 1.0μmMIN.
SOLDER TAIL AREA : TIN 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 2.0μmMIN.
UNDER-PLATING : NICKEL 2.0 MICROMETER MINIMUM.
ネイル NAIL
錫めっき : 1.0μmMIN.
TIN : 1.0 MICROMETER MINIMUM.
下地めっき : ニッケルめっき 1.0μmMIN.
UNDER-PLATING : NICKEL 1.0 MICROMETER MINIMUM.
 - 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.
 - 本製品は54698-144*の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54698-144*.

1.75	2.85	1.35	3.25	4.05	***V	ハードトレイ(高さ9)	54698-7008	54698-700*
						ハードトレイ(高さ11)	54698-7005	
						標準トレイ	54698-7002	
3.25	1.35	2.85	1.75	5.55	5.0V	ハードトレイ(高さ9)	54698-7007	
						ハードトレイ(高さ11)	54698-7004	
						標準トレイ	54698-7001	
2.5	2.1	2.1	2.5	4.8	3.3V	ハードトレイ(高さ9)	54698-7006	
						ハードトレイ(高さ11)	54698-7003	
						標準トレイ	54698-7000	
E	D	C	B	A	POWER SUPPLY	梱包トレイ	MATERIAL NO.	

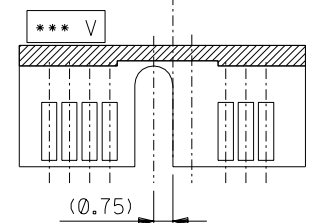
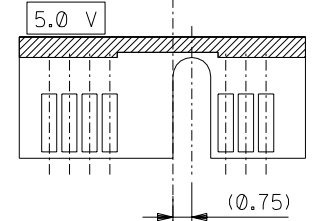
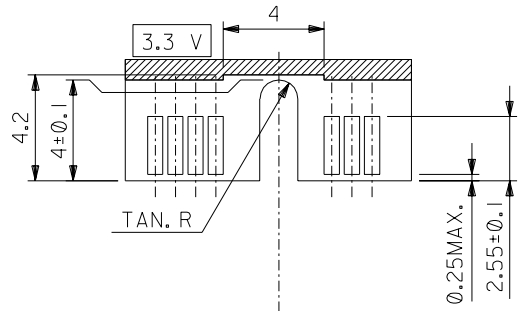
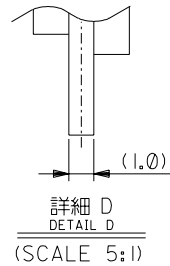
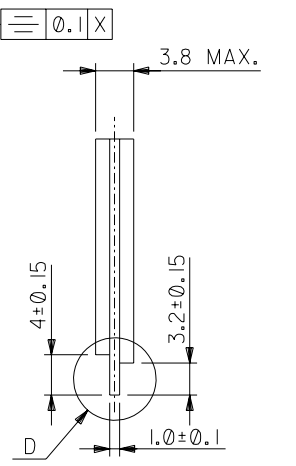
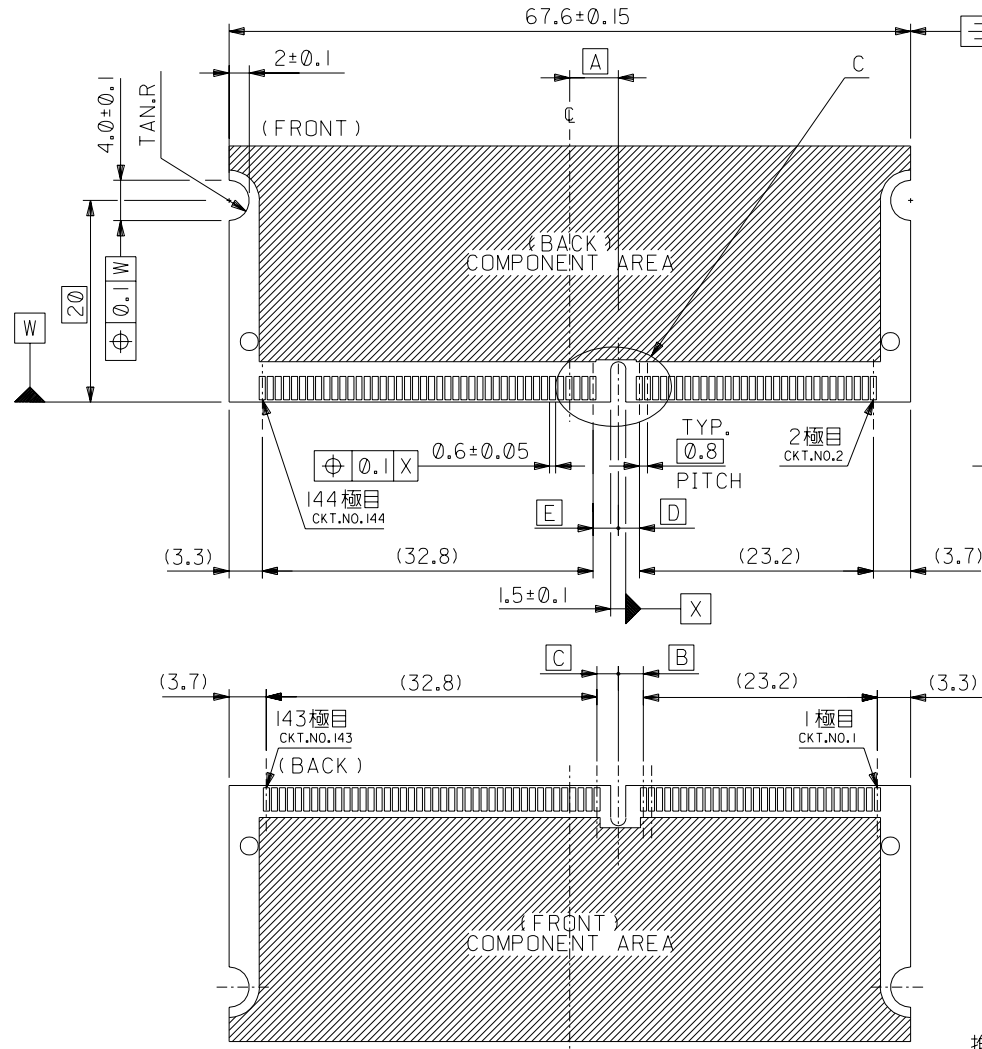
DO NOT SCALE DRAWING

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MATERIAL 材料										GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差										SCALE 2:1		MODEL NO. 54698-700*		DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY		SHT REV					
DESCRIPTION 注記参照 SEE NOTES										FINISH 仕上け 注記参照 SEE NOTES										DRAWN BY & DATE M.NAGATA '04/05/14		DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH		THIRD ANGLE PROJECTION		TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT 5.2mm -LEAD FREE-		REVISE ON CAD ONLY			
WIRE RANGE 適用電線範囲										ANGLE 角度										DRAWN BY & DATE K.TOJO '04/05/14		CHECKED BY & DATE M.SASAO '04/05/14		APPROVED BY & DATE M.SASAO '04/05/14		MATERIAL NO. SEE CHART		DRAWING NO. SD-54698-004		SHEET NO. 2 OF 3	
INS. RANGE 被覆外径																												THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE B	



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

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EC NO. SEE 1 OF 3					
DESCRIPTION					
MATERIAL 材料					
FINISH 仕上り					
WIRE RANGE 適用電線範囲					
INS. RANGE 被覆外径					

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	10 UNDER 未満	±0.2
	10 OVER 以上 30 UNDER 未満	±0.25
	30 OVER 以上	±0.3
ANGLE 角度		±3°

SCALE 2:1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH
DRAWN BY & DATE M.NAGATA '04/05/14	
CHECKED BY & DATE K.TOJO '04/05/14	
APPROVED BY & DATE M.SASAO '04/05/14	
CAD FILENAME SD-54698-004.S03	

MODEL NO. 54698-700*	DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY	SHT 3	REV 0
THIRD ANGLE PROJECTION			
TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT 5.2mm -LEAD FREE-			
MOLEX INCORPORATED			
MATERIAL NO. SEE CHART	DRAWING NO. SD-54698-004	SHEET NO. 3 OF 3	
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