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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

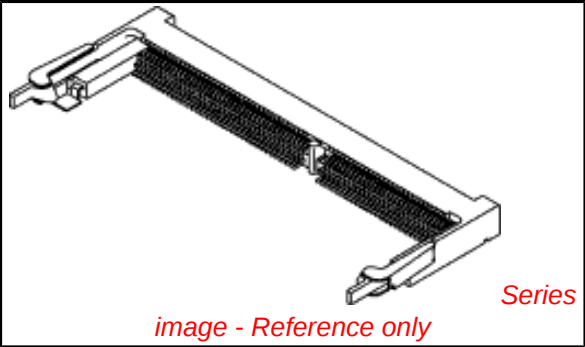
Documents:
[3D Model](#) [Product Specification PS-54698-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

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



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.

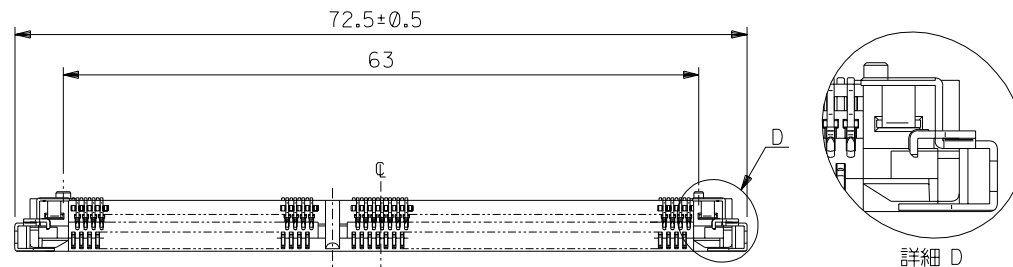
Search Parts in this Series
[54698Series](#)

Mates With
JEDEC Standard DRAM and SDRAM modules

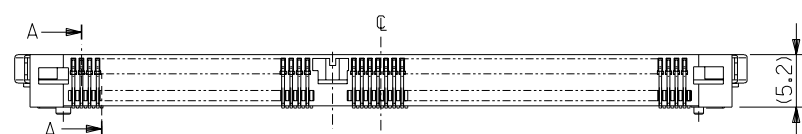
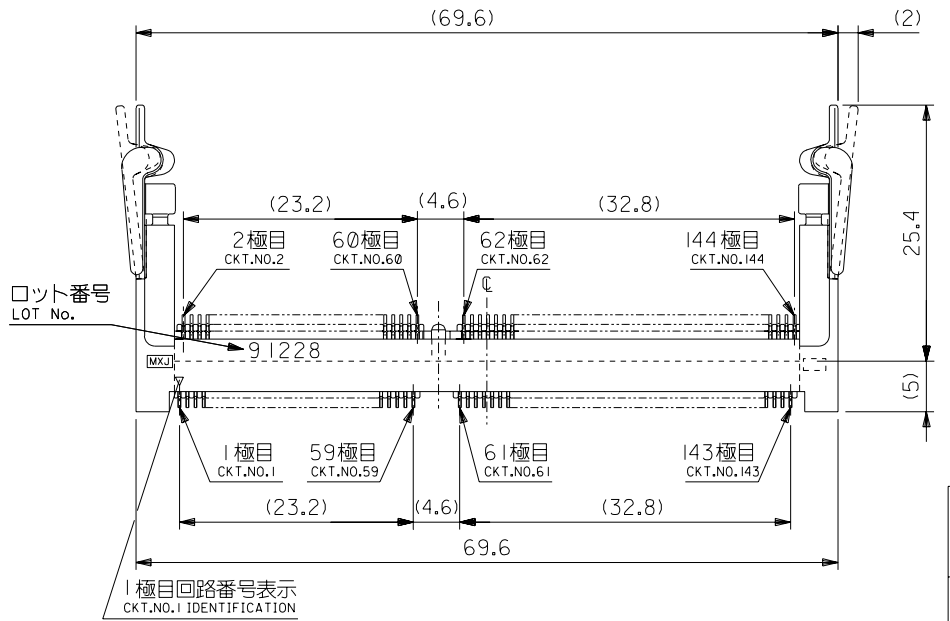
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DWG. NO. SD-54698-004

DO NOT SCALE DRAWING



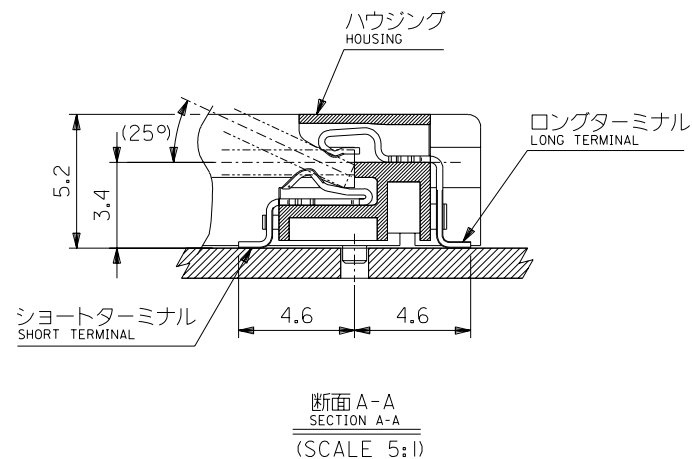
詳細 D
DETAIL D
(SCALE 5:1)



- 注記 NOTES
1. 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
2. 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.
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) HARD TRAY(HIGHT 9)	54698-7008	54698-700*
						ハードトレイ (高さ11) HARD TRAY(HIGHT 11)	54698-7005	
						標準トレイ NORMAL TRAY	54698-7002	
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)	54698-7007	
						ハードトレイ (高さ11) HARD TRAY(HIGHT 11)	54698-7004	
						標準トレイ NORMAL TRAY	54698-7001	
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)	54698-7006	B
						ハードトレイ (高さ11) HARD TRAY(HIGHT 11)	54698-7003	
						標準トレイ NORMAL TRAY	54698-7000	
E	D	C	B	A	POWER SUPPLY	梱包トレイ PACKAGING TRAY	MATERIAL NO.	MODEL NO.
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差						THIRD ANGLE PROJECTION	DIMENSIONS: mm INCH mm INCH	SHT REV
10 UNDER 未満 ±0.2						DRAWN BY & DATE M.NAGATA '04/05/14	TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT5.2mm -LEAD FREE-	
10 OVER 30 UNDER 未満 ±0.25						CHECKED BY & DATE K.TOJO '04/05/14		
30 OVER 以上 ±0.3						APPROVED BY & DATE M.SASAO '04/05/14		
ANGLE 角度 ±3°						CAD FILENAME SD-54698-004.S01	MATERIAL NO. SEE CHART	DRAWING NO. SD-54698-004
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.								SHEET NO. 1 OF 3
								SIZE B

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REV	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
RELEASED EC NO. J2004-4231 DRWN: M.NAGATA CHK: K.TOJO APPR: M.SASAO							
MATERIAL 材料							
FINISH 仕上げ							
WIRE RANGE 適用電線範囲							
INS. RANGE 被覆外径							



EC NO. DRWN: CHK'g: APPR'g:	EC NO. DRWN: CHK'g: APPR'g:	EC NO. DRWN: CHK'g: APPR'g:	EC NO. DRWN: CHK'g: APPR'g:	EC NO. DRWN: CHK'g: APPR'g:	EC NO. DRWN: CHK'g: APPR'g:	SEE 1 OF 3	DESCRIPTION	MATERIAL 材料	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2:1	MODEL NO. DESIGN UNITS ☒ mm ☐ INCH	54698-700*	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT REVISE ON CAD ONLY	REV
								注記参照 SEE NOTES	10 UNDER 未満	±0.2	DRAWN BY & DATE M.NAGATA '04/05/14	TITLE: 0.8mm PITCH S.O.DIMM SOCKET 144CKT. HEIGHT5.2mm -LEAD FREE-	SHEET NO. 2 OF 3	SIZE B		
								FINISH 仕上げ	注記参照 SEE NOTES	10 OVER 30 UNDER 以上 未満	±0.25				CHECKED BY & DATE K.TOJO '04/05/14	
								WIRE RANGE 適用電線範囲	— # —	ANGLE 角度	±3°				CAD FILENAME SD-54698-004.S02	MATERIAL NO. SEE CHART
0					0	REV	INS. RANGE 被覆外径	— # —	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.							

