

SOSAM DDR4 4GB SODIMM

Datasheet Ver1.0

I.Product Basic Information

- Memory Type: PC4-25600 DDR4 SDRAM 260pins SODIMM
- Memory Model: DDR4 4G 2600MHZ 1.2V
- Memory Capacity: 4GB
- IC Model: DDR4-512Mb*8

II.Technical Specifications

2.1 Memory Parameters

Item	Specification
Part Number	KMD4S04GC1M226DC
Operating Timing	CL=22, TRCD=22, TRP=22
Memory Capacity	4GB
Chip Model	MT-D9TGG
Chip Configuration	DDR4-512Mb*8
Number of Chips	8
SPD	DDR4-4GB-2600-1.2V
ECC	None
BUFFER	None
PCB Model	K488S-N

2.2 Environmental Requirements

Item	Specification
Operating Temperature	0-85 °C
Operating Humidity	Relative Humidity: 10%-90%
Storage Temperature	-50-100 °C
Storage Humidity	Relative Humidity: 5%-95%
Operating/Storage Air Pressure	69-105 KPa

2.3 SPD Description

SPD must comply with the requirements of JEDEC DDR4 standard.

2.4 PCB Board Performance Parameters

Item	Specification
PCB Material	FR-4
Finished Thickness	1.20±0.1mm
Ni/Au Plating Thickness	Au: 2-3u / Ni: 120-140u
Trace Width	0.075mm
Trace Spacing	0.1mm
Board Warpage	<0.75%
Solderability Test	IPC-TM650
Solder Mask	Black (Thickness ≥ 15μm)
Module Outline Dimension	69.6*30.0±0.1mm
Impedance	Single-ended: 40/50/55 Ω ±10%
	Differential: 70/83/93 Ω ±15%
Number of Layers	10

2.5 Label Description

Label Type	Specification
PCB Board Label	PCB model printed on the board.
Memory Module Label	Includes memory capacity, frequency, and serial number

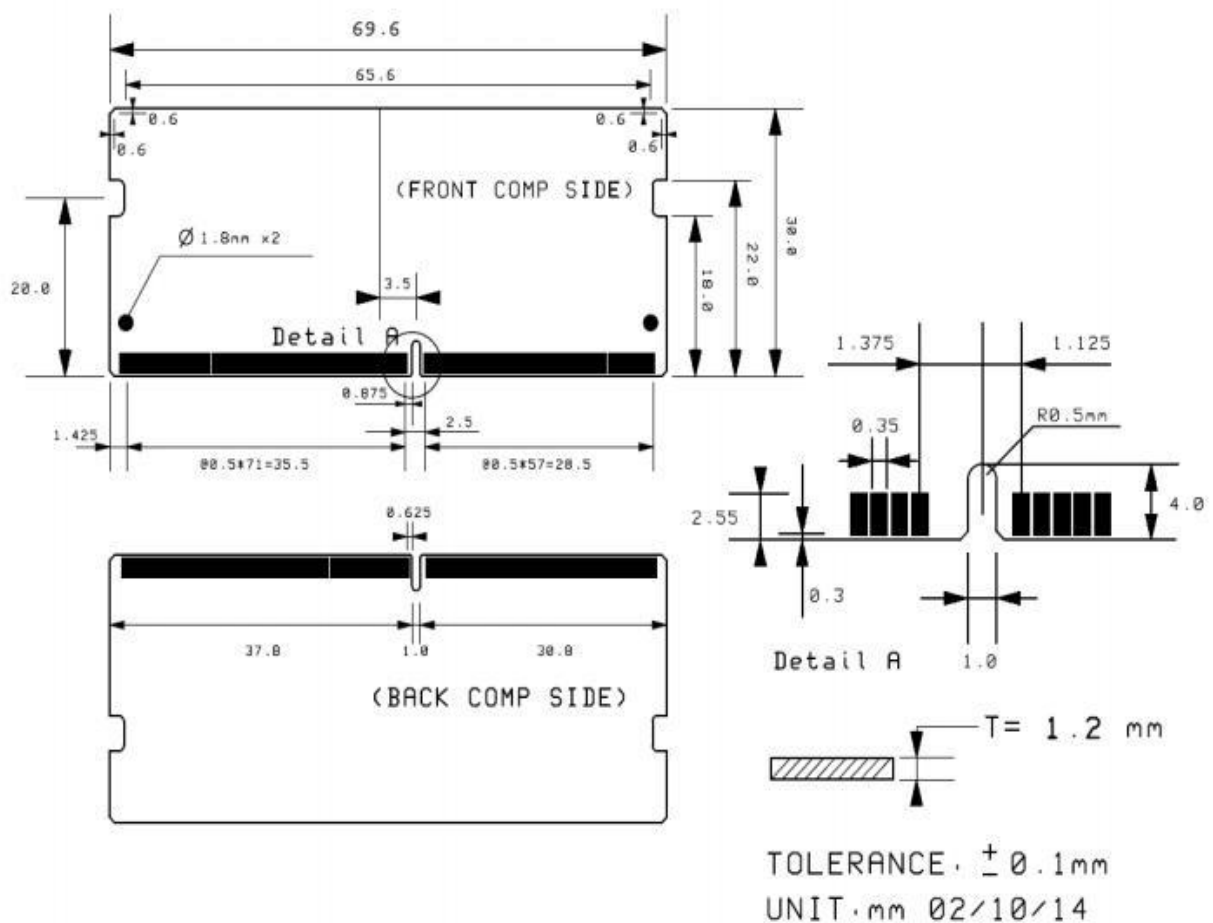
III.DRAM Chip Electrical Parameters

Electrical parameters shall comply with the SSTL-1.2 Class II standard.

Supply Voltage and DC Parameters are listed below.

Parameter	Minimum Value (V)	Maximum Value (V)
VDD(Supply Voltage)	1.14	1.26
VDDQ(I/O Supply Voltage)	1.14	1.26
VREF(I/O Reference Voltage)	0.49*VDD	0.51*VDD
VTT(I/O Termination Voltage (System))	VREF - 0.04	VREF + 0.04

IV.Mechanical Dimensions



For More Information

For Technical Support:

If additional support is needed, please visit the SOSAM Web site at www.kumi2020.com

for the following topics:

- **Warranty Services:** Includes the warranty service policy and the RMA requestforms.
- **Technical Information:** Includes product data sheets and various USB whitepapers.
- **Tools Section:** Includes frequently asked questions (FAQs).

For More Information or Further Technical Support Please Contact:

Shenzhen Kumi industry co. LTD

Tel: +86 13620595629

Support: zhuchunhong@kumi2020.com