

SOSAM DDR5 SODIMM 8GB 4800

Datasheet Ver1.0

I.Product Basic Information

- Memory Type: PC5-34800 DDR5 SDRAM 262pins SODIMM
- Memory Model: DDR5-4800 VDD-1.1V
- Memory Capacity: 8GB
- IC Model: DDR5-1Gbx16

II.Technical Specifications

2.1 Memory Parameters

Item	Specification
Part Number	KMD5S08GD3M348DC
Work CL	CL=40, 40-40-40-77
Capacity	8GB
IC Model	D8BNK
IC Organization	1Gbx16
IC Quantity	4
Voltage	VDD=1.1V / VDDQ=1.1V / VPP=1.8V
PMIC Model	PMIC-5136/5100
SPD Model	SPD-5118
SPD	Yes
XMP	No
PCB Model	KO-8841

2.2 Environmental Requirements

Item	Specification
Operating Temperature	Commercial ($0^{\circ}\text{C} \leq \text{TOPER} \leq 95^{\circ}\text{C}$)
Operating Humidity	Relative Humidity: 10% - 90%
Storage Temperature	-50°C - 100°C
Storage Humidity	Relative Humidity: 5% - 95%
Working Storage Pressure	69 - 105KPa

2.3 SPD Description

SPD Must Meet JEDEC DDR5 standard.

2.4 PCB Performance Parameters

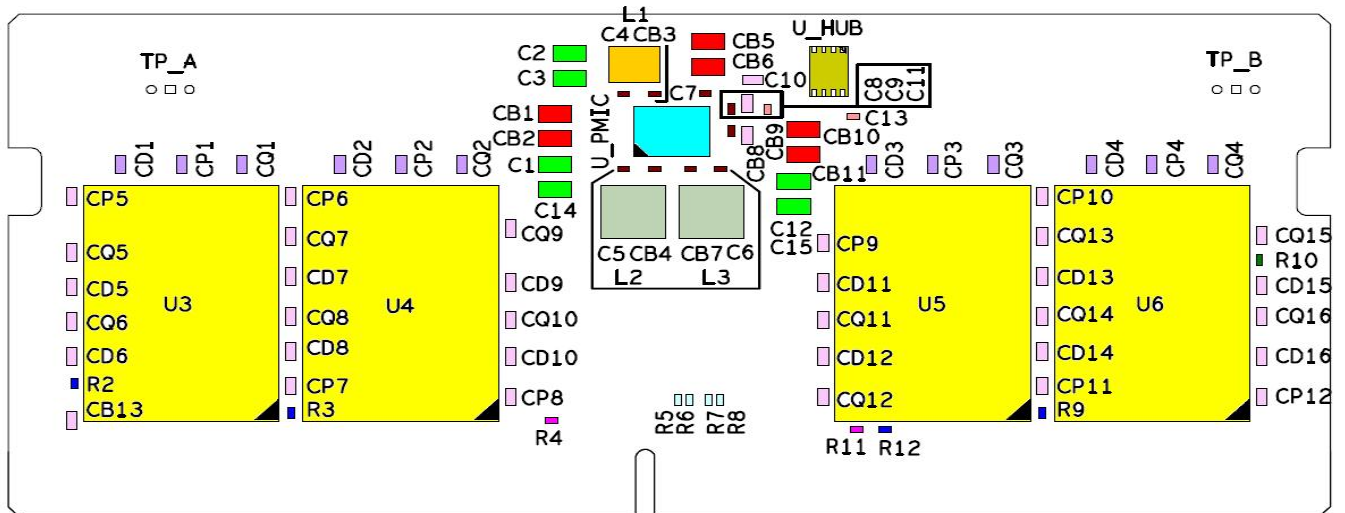
Item	Specification
Material	FR-4
Rewind Thickness	1.20±0.1 mm
Nickel & Gold Plating Thickness :	Au: 2 – 3 μm / Ni: 120 – 140 μm ;
Line width	0.075 mm
Line Distance	0.1 mm
Warp & Twist	<0.75%
Solderability Test	IPC-TM650
Solder Mask	Black, thickness $\geq 15 \mu\text{m}$
Size	69.60*30.00 ± 0.1 mm
Impedance	Single-ended: 30±5 Ω /40/55 $\Omega \pm 10\%$
	Differential: 54/70 $\Omega \pm 15\%$
Layer	8 Layers

2.5 Label Description

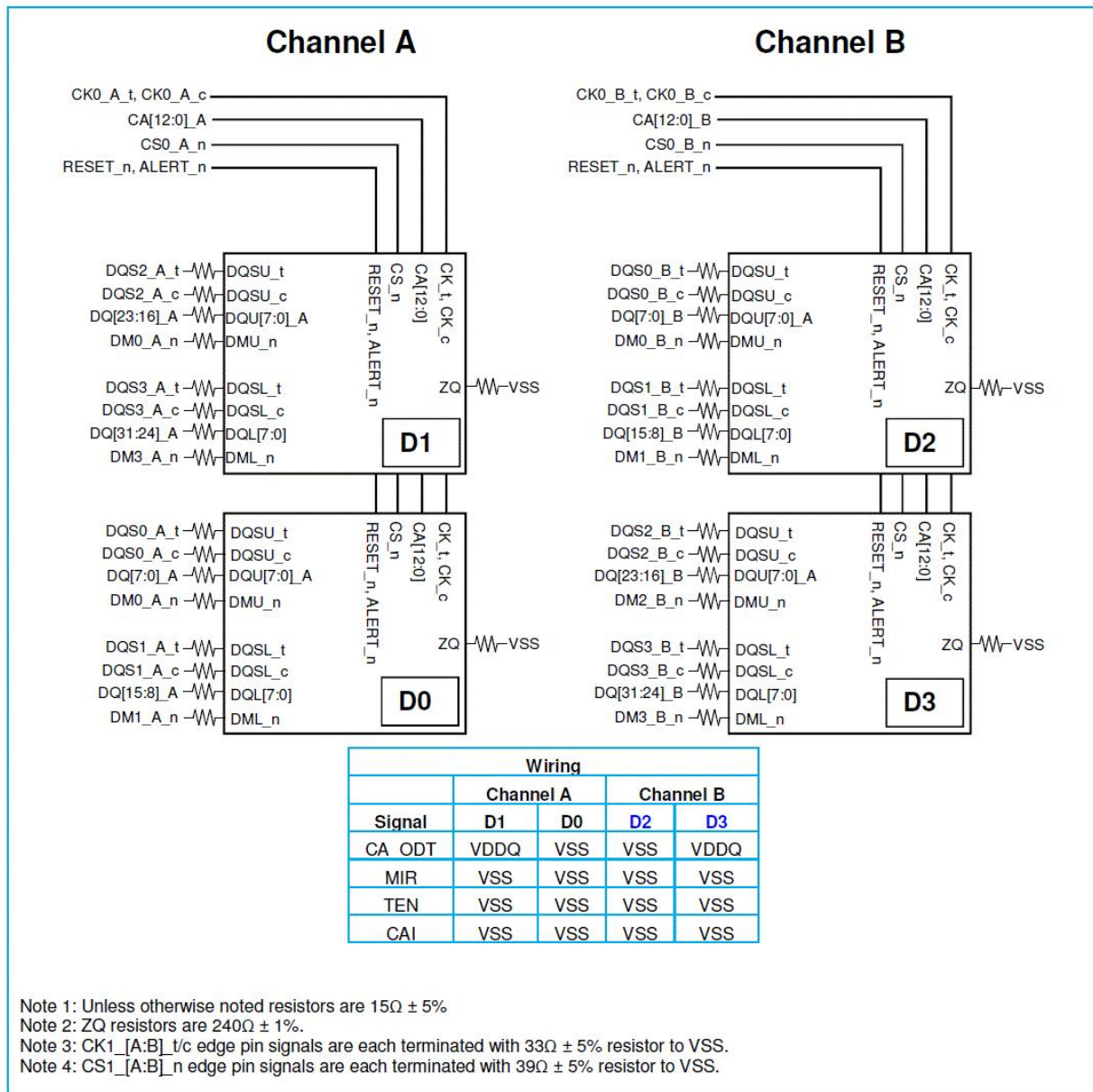
Label Type	Specification
PCB Board Label	PCB model printed on the board.
Memory Module Label	Includes memory capacity, frequency, and serial number

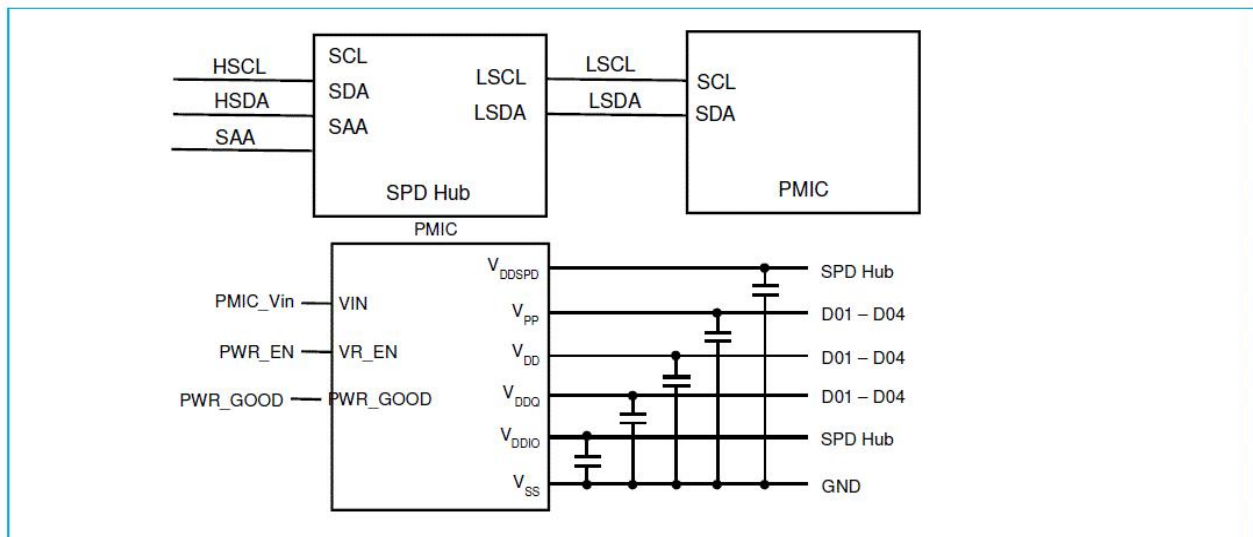
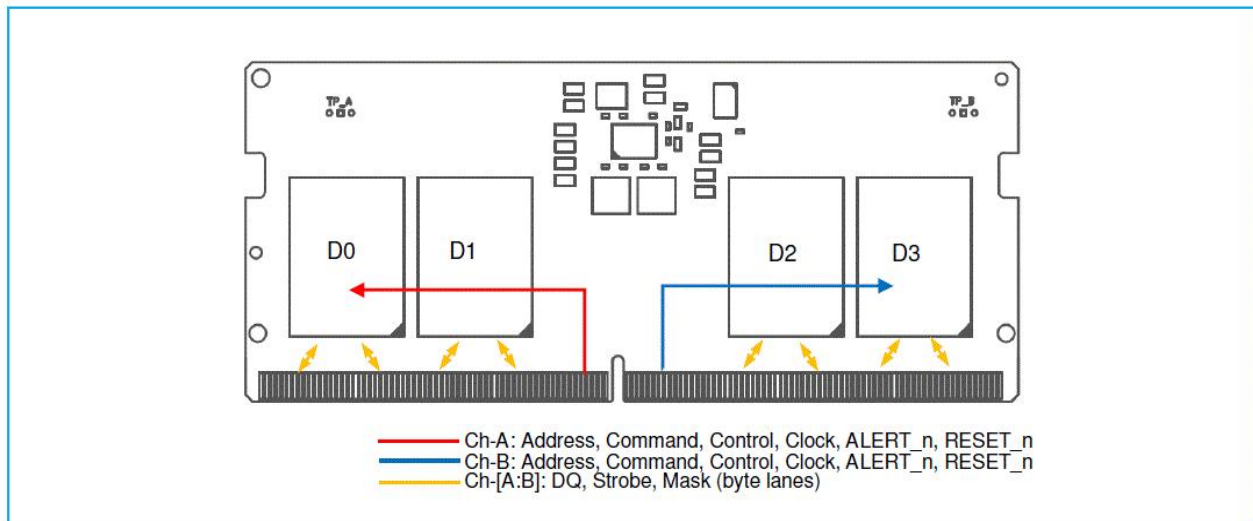
III.Memory Parts location diagram

Front-side components diagram



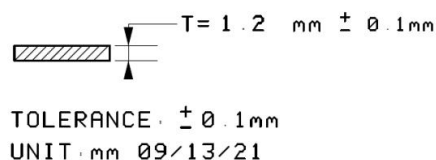
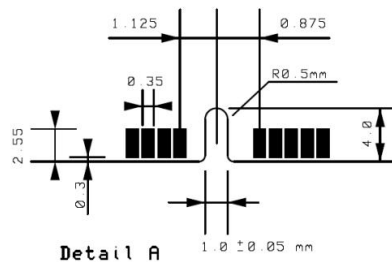
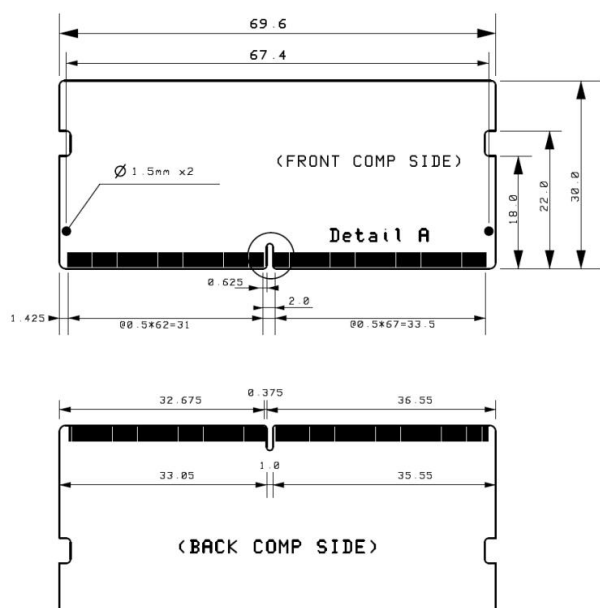
IV.Memory Functional Block Diagram





V.PCB Size Diagram

Single:



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).