

SOSAM DDR5 UDIMM 8GB 4800

Datasheet Ver1.0

I.Product Basic Information

- Memory Type: PC5-34800 DDR5 SDRAM 288pins UDIMM
- 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	KMD5U08GD3M348DC
Working leadtime	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
ECC	No
XMP	No
PCB Model	KO-8847

2.2 Environmental Requirements

Item	Specification
Working temperature	Commercial (0°C ≤ TOPER ≤ 95°C)
Working 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.

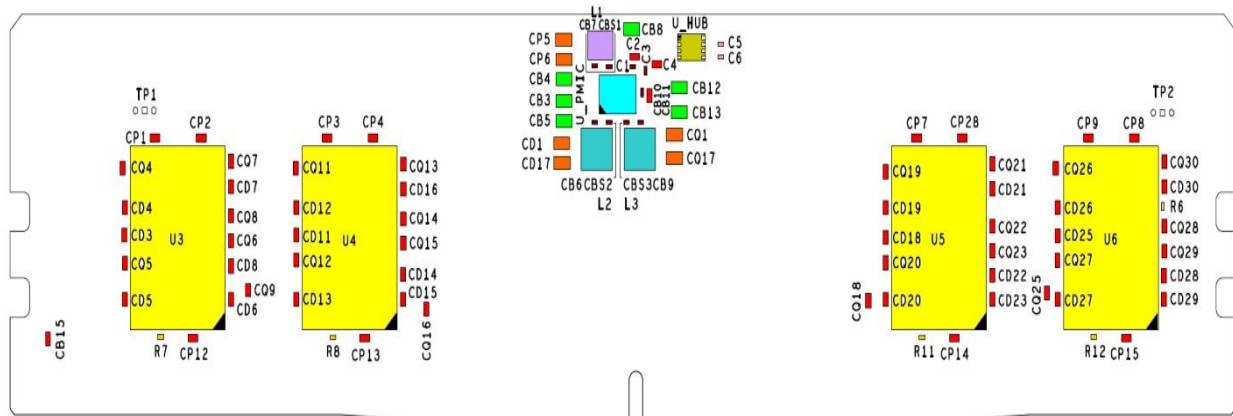
2.4 PCB Performance Parameters

Item	Specification
Material	FR-4
Rewind Thickness	1.27±0.1mm
Nickel & Gold Plating Thickness :	Au: 2-3u/Ni: 120-140u
Line width	0.075mm
Line Distance	0.1mm
Warp & Twist	<0.75%
Solderability Test	IPC-TM650
Solder Mask	Black, thickness ≥ 15 μm
Size	133.35*31.25±0.1mm
Impedance	Single-ended 30±5Ω/40/55 Ω±10%
	Differential 54/70 Ω±15%
Layer	8

2.5 Label Description

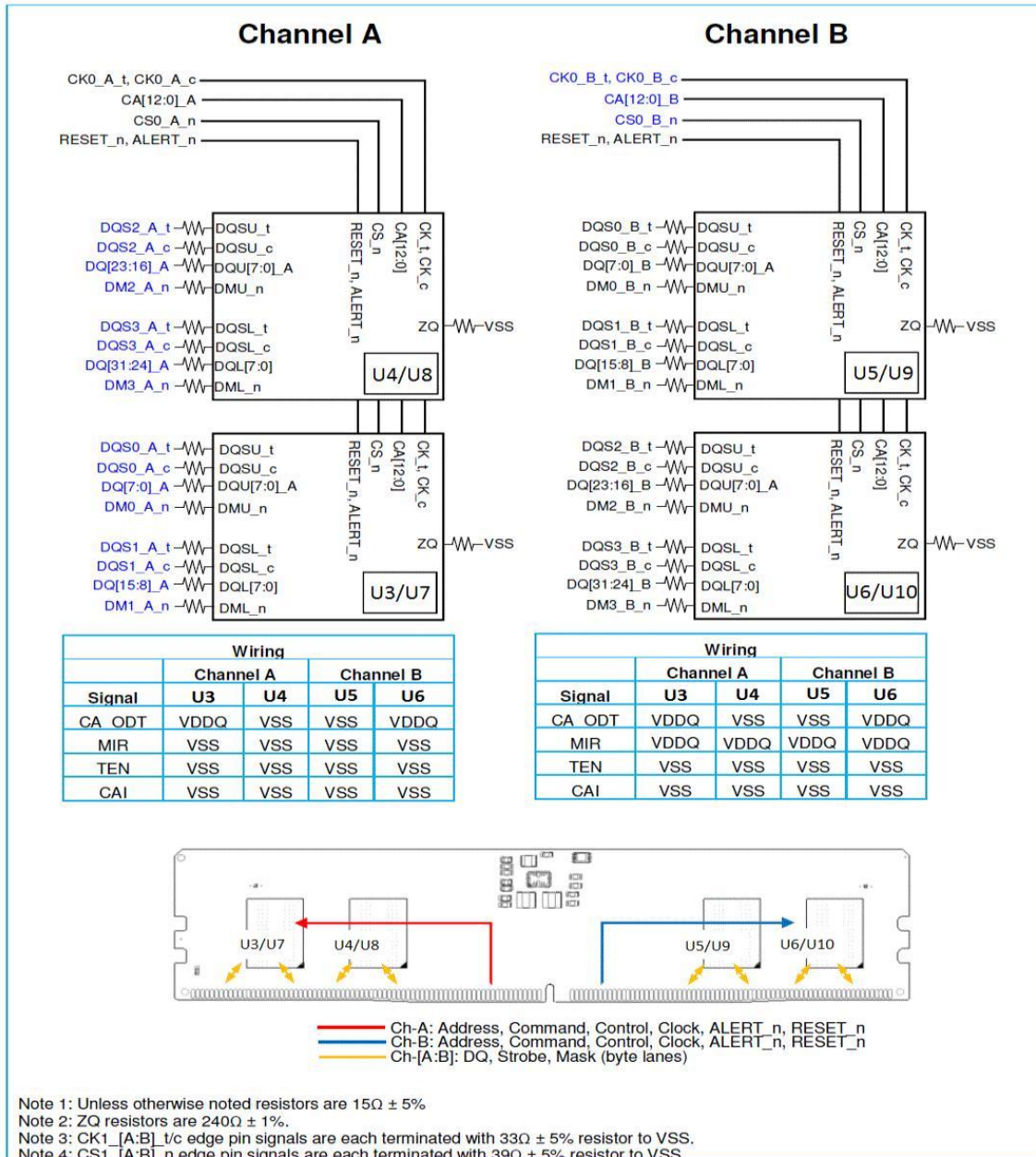
Label Type	Specification
PCB Board Label	PCB model printed on the board.
Memory Module Label	Includes memory capacity, frequency, and serial number.

Front-side components diagram

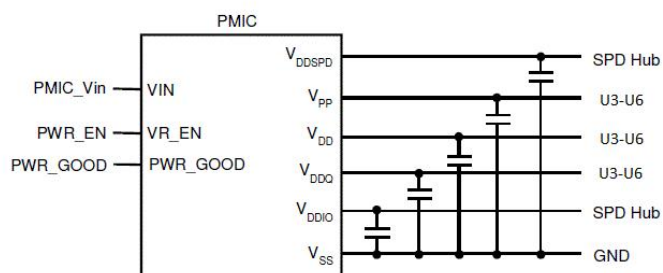
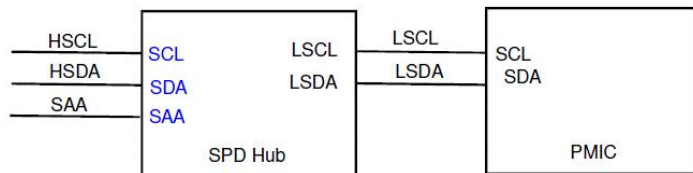


IV.Memory Functional Block Diagram

X64 DIMM, populated as one package rank of x16 DDR5 SDRAMs (Part 1 of 2)

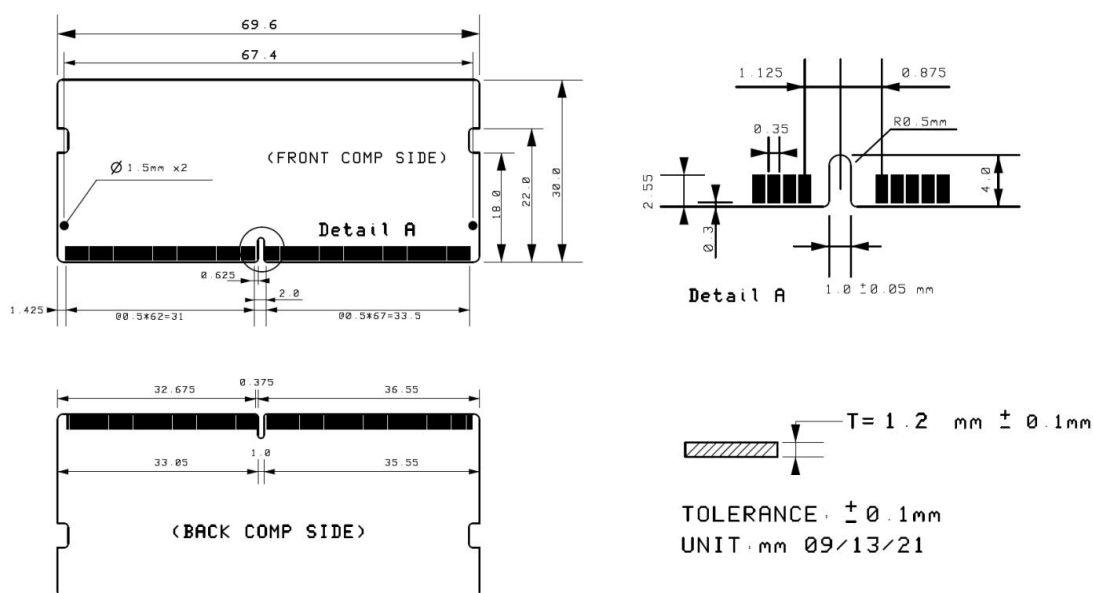
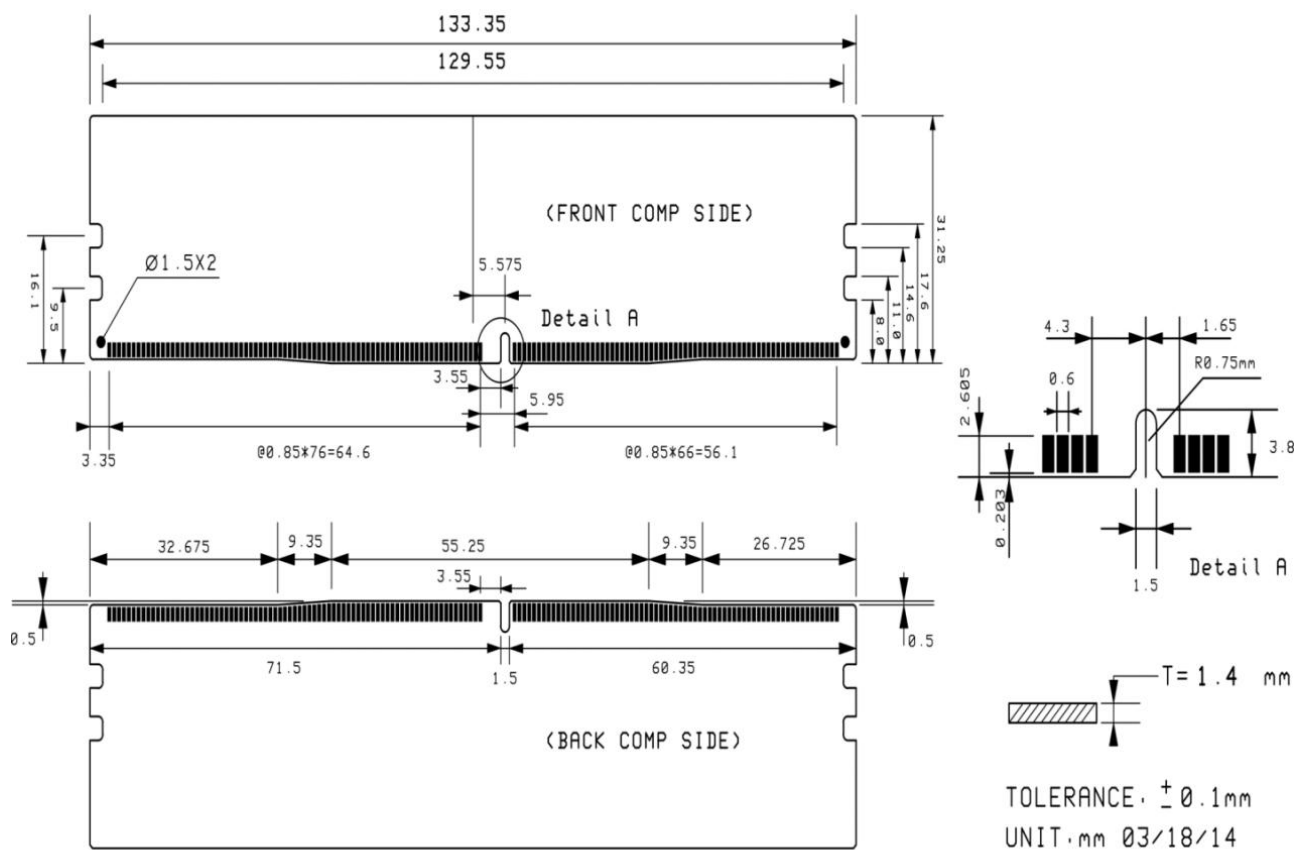


X64 DIMM, populated as one package rank of x16 DDR5 SDRAMs (Part 2 of 2)



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).