

## CIR-W5SUSF5616G

DDR5 WIDE TEMP. SO-DIMM 5600MHz 16GB

### Description

CIR-W5SUSF5616G is a 2G x 64-bit (16GB) DDR5-5600 CL46 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-5600 timing of 46-45-45 at 1.1V. Each 262-pin SO-DIMM uses gold contact fingers. Power management integrated circuit (PMIC) provides better signal integrity and more stable power. Original DRAM chips and all components are stringently tested for the highest level of compatibility, reliability, and performance.

### Specifications

Density	16GB
Pin Count	262pin
Type	Unbuffered
Dimensions	69.60mm x 30.00mm
ECC	Non-ECC
Component Config	2G x 8 bit
Data Rate	5600 MHz
CAS Latency	46
Voltage	1.1V
PCB Layers	10
Operating Temp.(TCASE)	-40°C~+85°C
Module Ranks	Single Rank

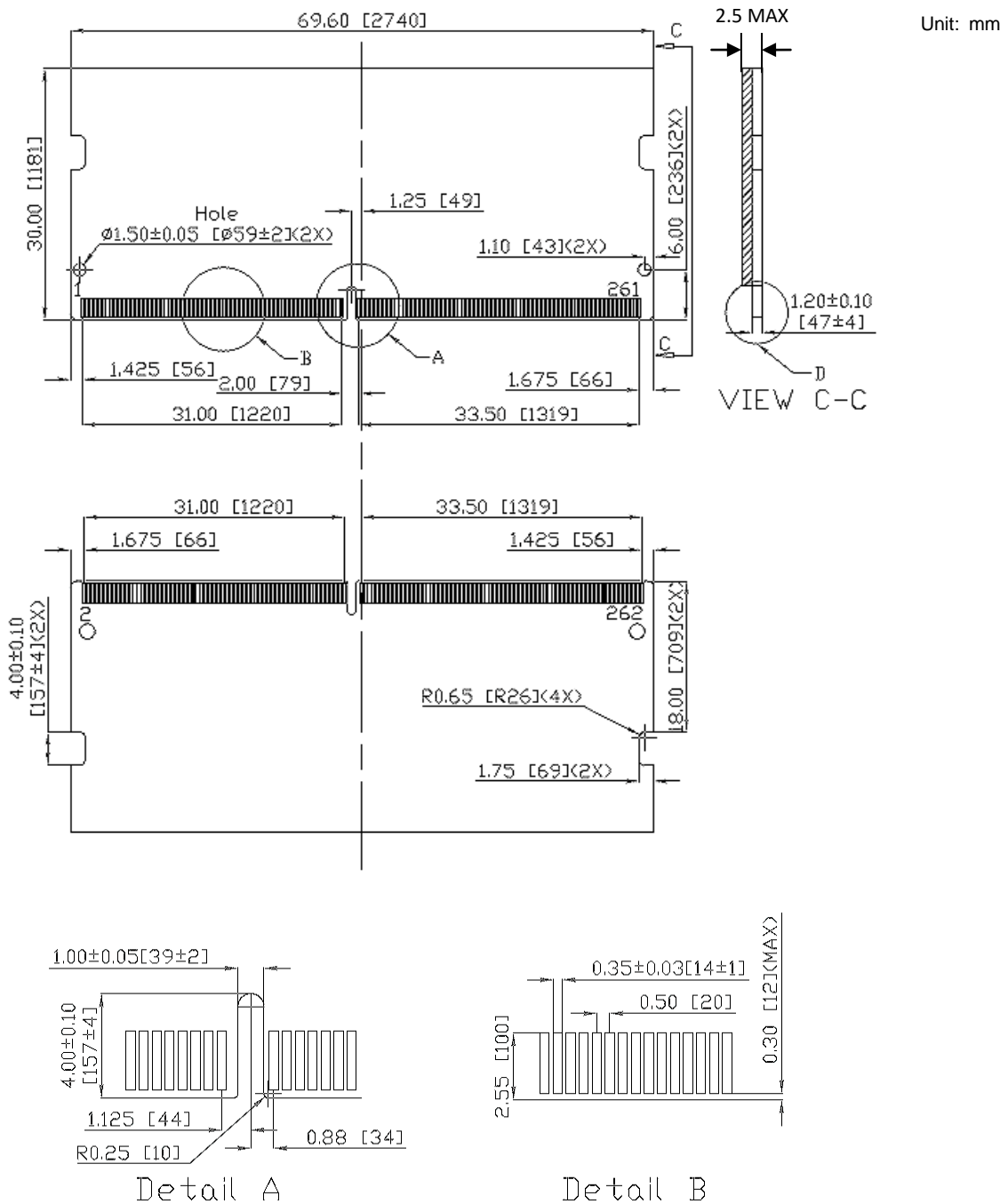
### Features

- JEDEC Standard 262-pin Small Outline Dual In-Line Memory Module
- VDD = VDDQ = 1.1V (1.067V~1.166V)
- VPP = VDDSPD =1.8V
- Programmable /CAS Latency: 22,26,28,30,32,36,40,42,46,50
- PMIC on DIMM, nominal supply 5V, VIN\_Bulk input supply range: 4.25 V to 5.5 V
- On-die, internal, adjustable VREF generation for DQ,CA,CS
- 16n-bit prefetch
- Two independent I/O sub channels
- On-Die ECC
- SPD Hub with Thermal Sensor
- Fly-By topology
- Terminated control, command and address bus
- RoHS Compliant and Halogen free

### Speed Grade

Frequency Grade	Data Transfer Rate	CAS Latency Support			CL-tRCD-tRP
		CL40	TBC	CL46	
DDR5-5600	PC5-44800	4800	TBC	5600	46-45-45

### Package Dimensions



Tolerances:  $\pm 0.15$ mm unless otherwise specified