

### CIR-S4SUSX2632G

DDR4 SO-DIMM 2666MHz 32GB

Description	Specifications			
This specification defines the electrical and mechanical	Density	32GB		
requirements for 260 pin, 1.2 V (VDD), Double Data	Pin Count	260pin		
Rate, Synchronous DRAM Dual In-Line Memory Modules	Type	Unbuffered		
(DDR4 SDRAM SO-DIMM ). This DDR4 SO-DIMM is	Dimensions	69.60mm x 30.00mm		
intended for use as main memory when installed in PCs,	ECC	Non-ECC		
laptops and other systems.		2G x 8 bit 2666 MHz		
Reference design examples are included which provide	Component Config			
an initial basis for DDR4 SO-DIMM designs.	Data Rate			
Modifications to these reference designs may be required	CAS Latency	19		
to meet all system timing, signal integrity and thermal	Voltage	1.2V		
requirements for DDR4-2666 support. All DDR4	PCB Layers	10		
SO-DIMM implementations must use simulations and lab	Operating Temp.(TCASE)	0°C~+85°C		
verification to ensure proper timing requirement and	Module Ranks	Dual Rank		
signal integrity in the design.				

### **Features**

- JEDEC Standard 260-pin Dual In-Line Memory Module
- Intend for PC4-2666 applications
- Inputs and Outputs are SSTL-12 compatible
- $VDD=VDDQ = 1.2V\pm0.06V$  (1.14V~1.26V)
- Programmable CAS Latency(posted CAS): 11,12,13,14,15,16,17,18,19
- Low-Power auto self-refresh (LPASR)
- SDRAMs have 16 internal banks for concurrent operation (4 Bank Group of 4 banks each)
- Normal and Dynamic On-Die Termination for data, strobe and mask signals
- Data bus inversion (DBI) for data bus
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the MRS
- Selectable BC4 or BL8 on-the fly (OTF)
- Fly-By topology
- Terminated control, command and address bus
- RoHS and Halogen free

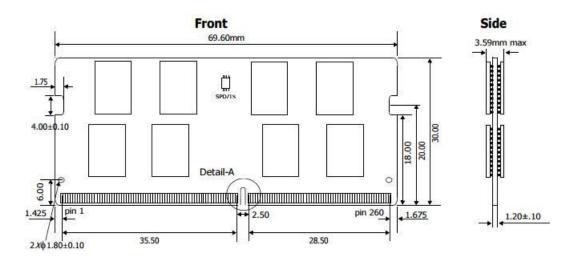


# **Speed Grade**

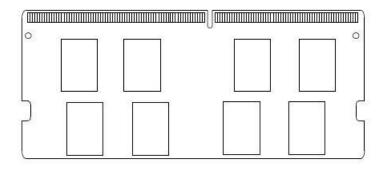
Frequency	Data	CAS Latency Support						01 (000 (00		
Grade	Transfer Rate	CL11	CL12	CL13	CL14	CL15	CL16	CL17	CL19	CL-tRCD-tRP
DDR4-2666	PC4-21300	1600	1600	1866	1866	2133	2133	2400	2666	19-19-19

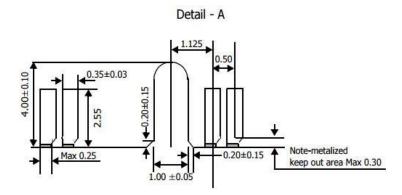
# **Package Dimensions**

Unit: mm



#### Back





Tolerances :  $\pm$  0.15mm unless otherwise specified