

CIR-S4SUSV2604G

DDR4 SO-DIMM 2666MHz 4GB

Description	Specifications			
This specification defines the electrical and mechanical	Density	4GB		
requirements for 260 pin, 1.2 V (VDD), Double Data	Pin Count	260pin Unbuffered 69.60mm x 30.00mm Non-ECC		
Rate, Synchronous DRAM Dual In-Line Memory Modules	Туре			
(DDR4 SDRAM SO-DIMM). This DDR4 SO-DIMM is	Dimensions			
intended for use as main memory when installed in PCs,	ECC			
laptops and other systems.		512M x 8 bit		
Reference design examples are included which provide	Component Config			
an initial basis for DDR4 SO-DIMM designs.	Data Rate	2666 MHz		
Modifications to these reference designs may be required	CAS Latency	19		
to meet all system timing, signal integrity and thermal	Voltage	1.2V 8		
requirements for DDR4-2666 support. All DDR4	PCB Layers			
SO-DIMM implementations must use simulations and lab	Operating Temp.(TCASE)	0°C~+85°C Single Rank		
verification to ensure proper timing requirement and	Module Ranks			
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±0.06V (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



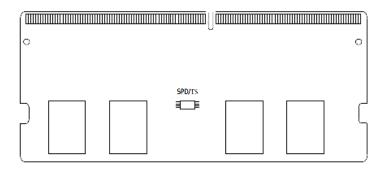
Speed Grade

Frequency Grade	Data	CAS Latency Support								
	de 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

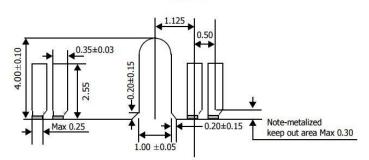
Package Dimensions

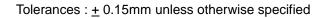
Front Side 69.60mm 3.59mm max 1.75 4.00±0.10 00.00 20.00 18.00 Detail-A 0 6.00 pin 1 pin 260 1.425 2.50 1.675 1.20±.10 35.50 28.50 2.Xq1.80±0.10

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Unit: mm