

Data Sheet

Module Type	DDR4 VLP SODIMM
Capacity	4GB/8GB
Module speed	Up to 2666MT/s
Pin	260 pin
Cl-tRCD-tRP	19-19-19
Operating Temp	0°C ~85°C

Rev 1.0

1. Features

Industry Nomenclature	Speed Grade	Data Rate MT/s			CL	tRCD	tRP
		CL=15	CL=17	CL=19			
PC4-2666	I	2133	2400	2666	19	19	19

- JEDEC Standard 260-pin Small Outline Dual In-Line Memory Module
- Intend for PC4-2666 applications
- Inputs and Outputs are SSTL-12 compatible
- VDD=VDDQ= 1.2 Volt (1.14V~1.26V)
- VPP=2.5 Volt (2.375V~2.75V)
- VDDSPD=2.2-3.6V
- 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)
- Golden Connector
- Fly-By topology
- Terminated control, command and address bus
- Programmable /CAS Latency: 10,11,12,13,14,15,16,17,18,19,20
- Operation temperature – (0°C~85°C)
- On-die VREFDQ generation and Calibration
- On-Board EEPROM
- RoHS and Halogen free
- Height 18mm

2. Ordering Information

Density	Component Composition	Part Number	Description
4GB	512Mx8	M4S0-4GSS3CSJ	DDR4 2400 1Rx8 SODIMM VLP 1.2V
8GB	1Gx8	M4S0-8GS13CSJ	DDR4 2400 1Rx8 SODIMM VLP 1.2V
4GB	512Mx8	M4S0-4GSS3CIK	DDR4 2666 1Rx8 SODIMM VLP 1.2V
8GB	1Gx8	M4S0-8GS13CIK	DDR4 2666 1Rx8 SODIMM VLP 1.2V