



Memory 8GB 1600MHz CL11 DDR3 SODIMM RP



General Description

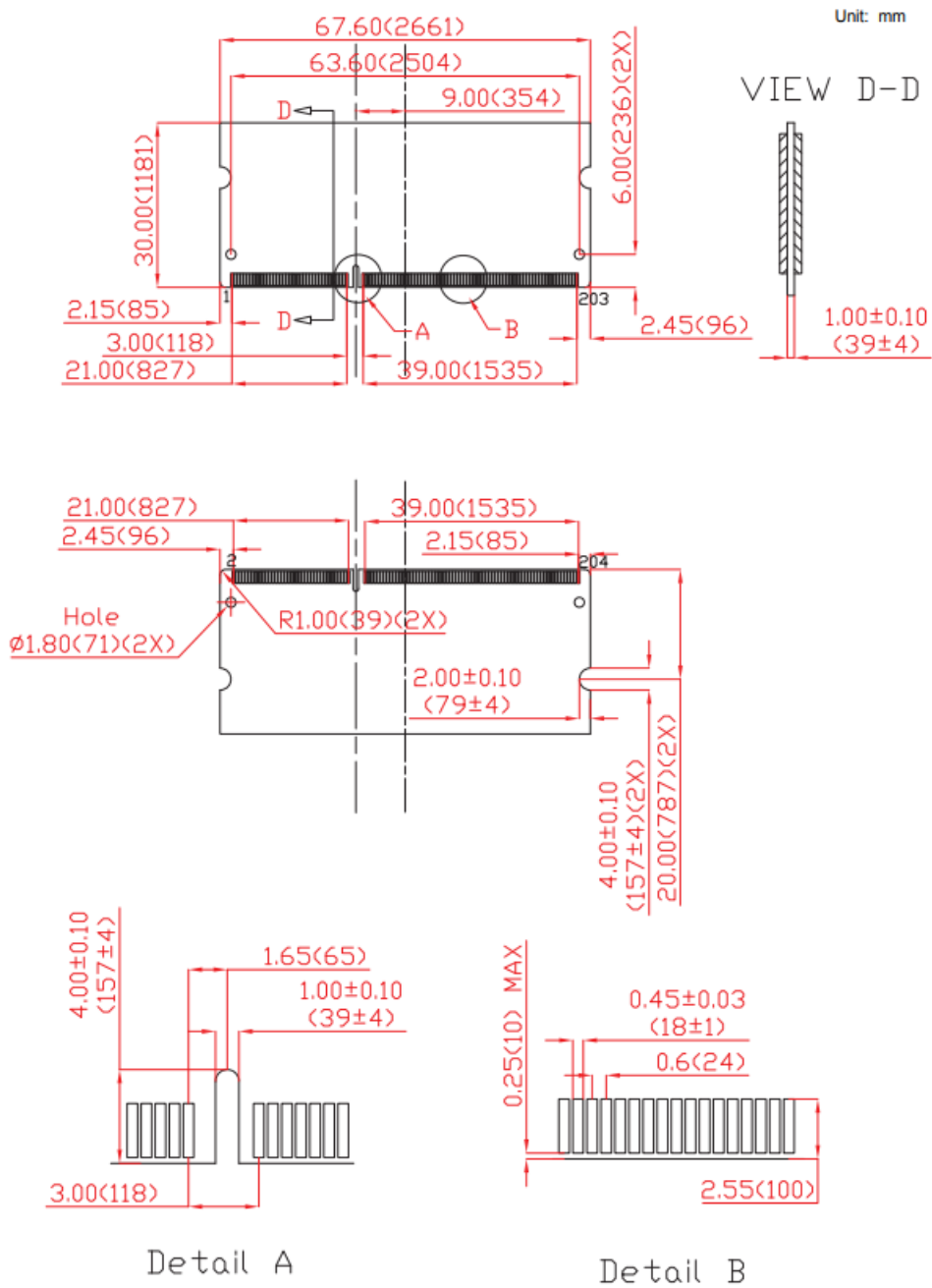
Apacer DV.08G2K.KAM is a 1024M x 64 DDR3 SDRAM (Synchronous DRAM) SO-DIMM. This high-density memory module consists of 16 pieces 512M x 8 bits with 8 banks DDR3 synchronous DRAMs in BGA packages and a 2K EEPROM. The module is a 204-pins small-outlined, dual in-line memory module and is intended for mounting into a connector socket. Decoupling capacitors are mounted on the printed circuit board for each DDR3 SDRAM. The following provides general specifications of this module.

Specifications:

- ◆ On-DIMM thermal sensor : No
- ◆ Organization: 1024 words x 64 bits, 2 ranks
- ◆ Integrating 16 pieces of 4G bits DDR3 SDRAM sealed in FBGA
- ◆ Package: 204-pin socket type small outline dual in-line memory module (SO-DIMM)
- ◆ PCB: height 30.0mm, lead pitch 0.6 mm (pin), lead-free (RoHS compliant)
- ◆ Power supply VDD: 1.35V (+0.1V ~ -0.067V)
- ◆ Serial Presence Detect (SPD)
- ◆ Eight Internal banks for concurrent operation (components)
- ◆ Interface: SSTL_13
- ◆ Burst lengths (BL): 8 and 4 with Burst Chop (BC)

- ◆ CAS Latency (CL): 6, 7, 8, 9, 10, 11
- ◆ CAS Write Latency (CWL): 5, 6, 7, 8
- ◆ Supports auto pre-charge option for each burst access
- ◆ Supports auto-refresh/self-refresh
- ◆ Refresh cycles: 7.8 μs at $0^\circ\text{C} \leq \text{TC} \leq +85^\circ\text{C}$

Mechanical Drawing:



(All dimensions are in millimeters with $\pm 0.15\text{mm}$ tolerance unless specified otherwise.)