

SPQ-1G/382510-001

1GB HP/Compaq Business Desktop dc5100 SFF/Minitower DDR2-533
240-Pin DIMM

DESCRIPTION:

This document describes SPQ-1G/382510-001 memory module. The components on this module include eight 64M x 8-bit (16M x 8-bit x 4 Bank) unbuffered DDR2-533 Mhz SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

- ✓ Clock Cycle Time (tCK) CL=4 3.75ns (min.) / 8ns (max.)
- ✓ Row Cycle Time (t RC) 55ns (min.)
- ✓ Refresh to Active/Refresh Command Time (tRFC) 105ns
- ✓ Row Active Time (tRAS) 40ns (min.) / 70,000ns (max.)
- ✓ Single Power Supply of +1.8V (+/- .1V)
- ✓ Power (IDD0) 1.440 W (operating)
- ✓ UL Rating 94 V – 0
- ✓ Contain the mandatory JEDEC SPD information.

Note: The module defined in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here. However, in no configuration will the module height exceed 1.250" (31.75mm).

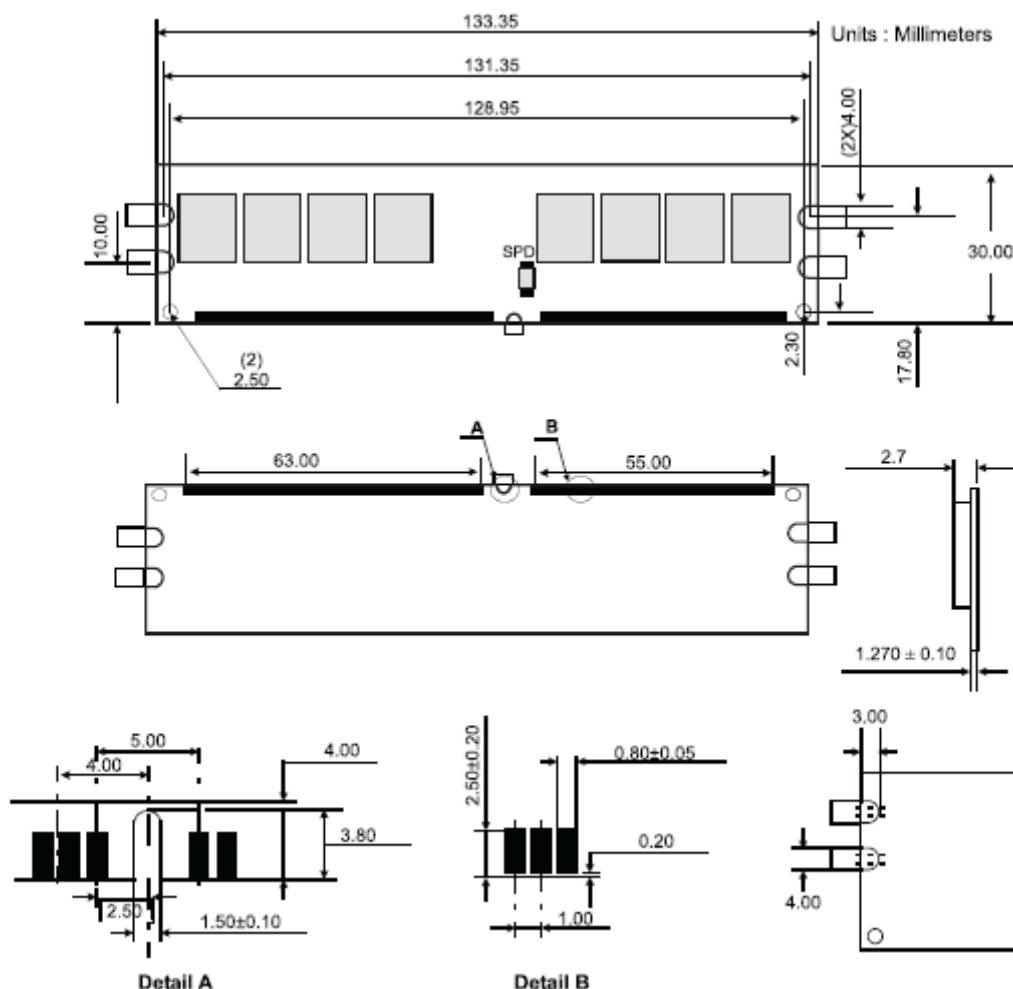


Figure 1: SPQ-1G/382510-001