Operational Descriptions

The main part of the optical mouse is the MCU of A2633.

A2633 SOC provides an option for resolution enhancement. 800 CPI is set by connecting a resistor from Pin 7 to VSS. 1600 CPI is selected by connecting a resistor from Pin 7 to VDD. A toggle key can be used to change the resolution dynamically. At the pull down mode, a pulse to Pin 7 lead the static 800CPI to a dynamic acceleration of up to 1600CPI, and a following pulse toggles the speed back to 800CPI. Figure 4 shows such changes.
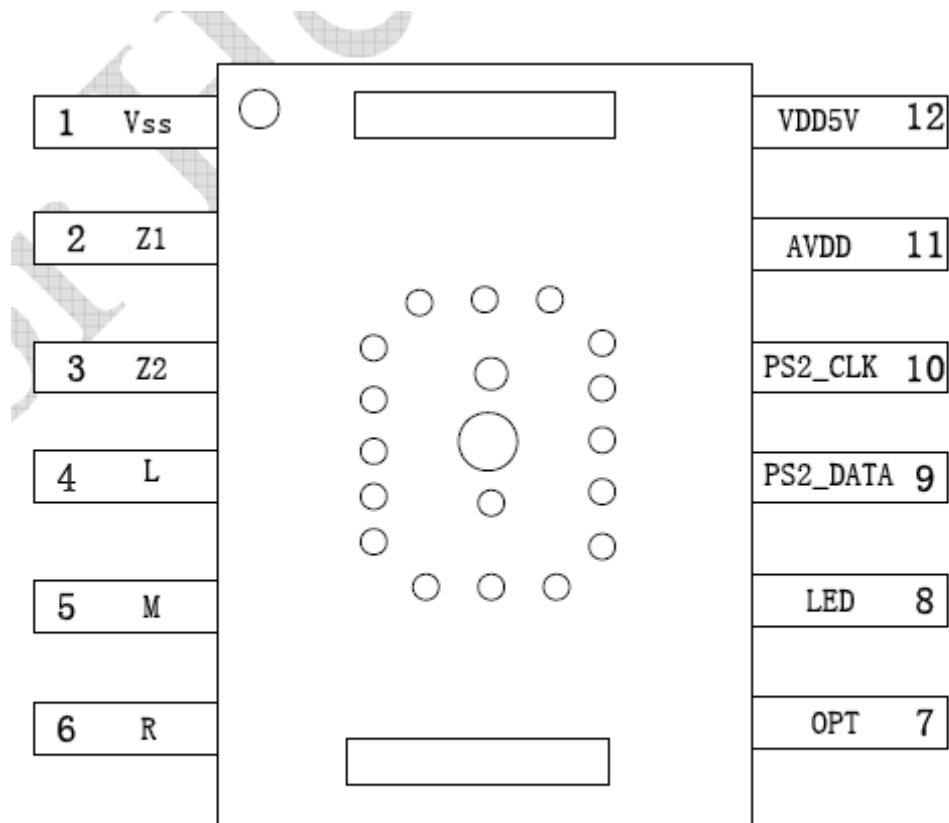

Figure 2. Pin Outline (top view)

Pin L/M/R is the control directions and the PS2_CLK is the internal RL crystal. The signal actived by the directions controller then pass through the A2633 to deal with the signals.