

### **Mouse Circuit Description**

- a. IC-OM21PS is integrated with a USB+PS2 Micro-Controller Unit (MCU) for a computer optical mouse. It is housed in a 16 pins staggered Dual Inline Package (DIP) for 3D3K application. Resolution is 800 DPI. It catches the images of surfaces 3400 times per second. Tracking speed is up to 20 Inches Per Second (IPS).
- b. The clock signal of IC- OM21PS is controlled by clock of oscillating controller.
- c. When the optical part of IC—OM21PS is working, the MCU will output the controlling signal from the PIN 1 to control the brightness of LED
- d. The operating voltage of IC- OM21PS is 5 V.
- e. Supply Voltage: By USB port/ DC5V