CIRCUIT DESCRIPTION OF OPTICAL MOUSE

This circuit includes mouse control IC (SPCP016-006B) and optical respondent IC (HDNS-2610). The optical respondent IC is used to collect the moving signal of mouse, which is transmited to SPCP016-006B by SDIO port after encoder processing. SPCP016-006B is a USB mouse control IC, which uses USB 1.1 standard and communicates with computer, because it has button and turning over function, plus the moving signal of optical respondent IC, which forms the full function of the mouse.

ED80 is a high brightness red LED,which supply the lamp-house to optical sensor IC.When the mouse is in resting condition, LED is in the sleeping mode, thereby to save the electricity.