

## circuitry description

The ATA1160 is a low cost optical sensor used to implement a non-mechanical tracking engine for computer mice.

The ATA1160 is an encoder IC that can encode the data from the mouse optical sensor and

Sends this data via RF at 27 MHz. The ATA1160 is equipped with a complete set of FSK

Modulator that also provides single/dual RF channel solution. This will reduce the extra external

Component for RF interface. The two kinds of output from mouse optical sensor, namely quadrature

And SPI(serial peripheral interface) are supported. Furthermore, the ATA1160 has a dc/dc embedded.