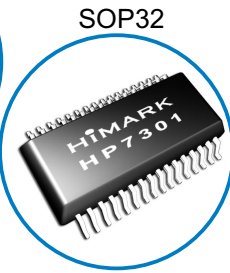


SSOP28



SOP32

HP7301

Wireless Mouse Transmitter Controller SoC

FEATURES

1K word mask ROM; 48 bytes of RAM

Built-in 27 MHz PLL, 3.3 V DC-to-DC, and power amplifier with programmable Power control

Low battery detection and LED alarm

Auto-power down mode

For 3D and option 4/5 key use (with mouse software)

Support for optical and mechanical mouse (with mouse software)

SSOP28/SOP32 package

APPLICATIONS

27 MHz wireless mouse

27 MHz wireless products

DESCRIPTION

The HP7301 is a low-cost 27 MHz wireless transmitter SoC. The HP7301 provides a built-in 27 MHz PLL function, incorporates a 3.3 V DC-to-DC converter, and requires only a single AAA type battery. Seven different power levels may be selected through software control. A 1K word mask ROM and 48 bytes RAM size is provided for software coding. There are 15 input/output ports which may be used to control other devices. The HP7301 is well suited for wireless mouse and other wireless applications.

SPECIFICATIONS

| Function | TX SoC |
|--------------------------|--|
| Voltage range (V) | 1.1-3.3 V |
| Current consumption | 200 μ A (stand-by) 7 mA (transmitting) |
| Frequency range (Mhz) | 26-28 (PLL) |
| Transmitter output power | 0 dBm (adjustable) |
| Low battery detection | 0.85 V |
| DC-to-DC regulator | 2.2-3.3 V |
| Package | SSOP-28/SOP-32 |

