

DESCRIPTION

The PT6991 is designed to integrate the LED driver, key-scan matrix, infrared (IR) remote control decoding and into one integrated solution. All functions are programmable using I²C interface. In standby operation, the PT6991 provides the standby power management to the chipset for low power consumption. The PT6991 is housed in 32-pin SOP package. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

APPLICATIONS

- VCR
- DVD recorder
- Home theater
- Set-top box and other application that require a compact, integrated solution
- HTiB (Home theater in a box)
- Personal video recorders (PVRs)

FEATURES

- IC front panel LED controller driver
- Standby power management to the host
- 5.0V (VDD) supply and 3.3V interface for the IC
- IR remote control decoder (Philips, NEC, Thomson, Sony, Matsushita)
- Multiple display modes (10 segments and 6 digits to 12 segments and 4 digits)
- External resistors necessary for all logic outputs (N-CH. Open drain)
- Key scanning (up to 10 x 1 matrix = 10 keys)
- I²C serial interface (SCL, SDA) communication protocol
- Programmable hotkeys for IR remote control command
- Programmable hotkeys for KEYSKAN command
- Low power consumption in standby mode
- Dimming circuit (8 steps)
- Available in SOP-32 package

BLOCK DIAGRAM

