

## DESCRIPTION

The PT6951 is a compact LED driver for 90 single LEDs control. The device can be programmed via the I<sup>2</sup>C or SPI compatible interface. Additionally, each of the 90 LEDs can be dimmed individually with 8-bit allowing 256 steps of linear dimming. The high logic and low logic control threshold are specially designed for white goods and industry application.

## APPLICATIONS

- Micro-computer Peripheral Device

## FEATURES

- CMOS technology
- Low power consumption
- 3-wire SPI-bus interface (DIN, CLK, STB)
- 2-wire I<sup>2</sup>C interface (SCL, SDA)
- 90 LEDs in dot matrix
- 256-Step dimming setting for all individual LED
- Fading enable for all individual LED
- Constant-Current LED Segment Drive
- Serial interface for Clock, Data Input, Strobe Pins and low voltage operation ability when user's MCU power supply is 3.3V.
- Integrated Oscillator Circuit
- Available in 20-pin, TSSOP

## BLOCK DIAGRAM

