



VFD Driver/Controller IC

PT6315

DESCRIPTION

PT6315 is a Vacuum Fluorescent Display (VFD) Controller driven on a 1/4 to 1/12 duty factor. Sixteen segment output lines, 4 grid output lines, 8 segment/grid output drive lines, one display memory, control circuit, key scan circuit are all incorporated into a single chip to build a highly reliable peripheral device for a single chip micro computer. Serial data is fed to PT6315 via a three-line serial interface. It is housed in a 44-pin, LQFP Package.

FEATURES

- CMOS Technology
- Low Power Consumption
- Key Scanning (16 x 2 matrix)
- Multiple Display Modes: (16 segments, 12 digits to 24 segments, 4 digits)
- 8-Step Dimming Circuitry
- LED Ports Provided (4 channels, 20 mA max.)
- Serial Interface for Clock, Data Input, Data Output, Strobe Pins
- No External Resistors Needed for Driver Outputs
- Available in 44-pin, LQFP Package

APPLICATION

- Microcomputer Peripheral Device



PIN CONFIGURATION

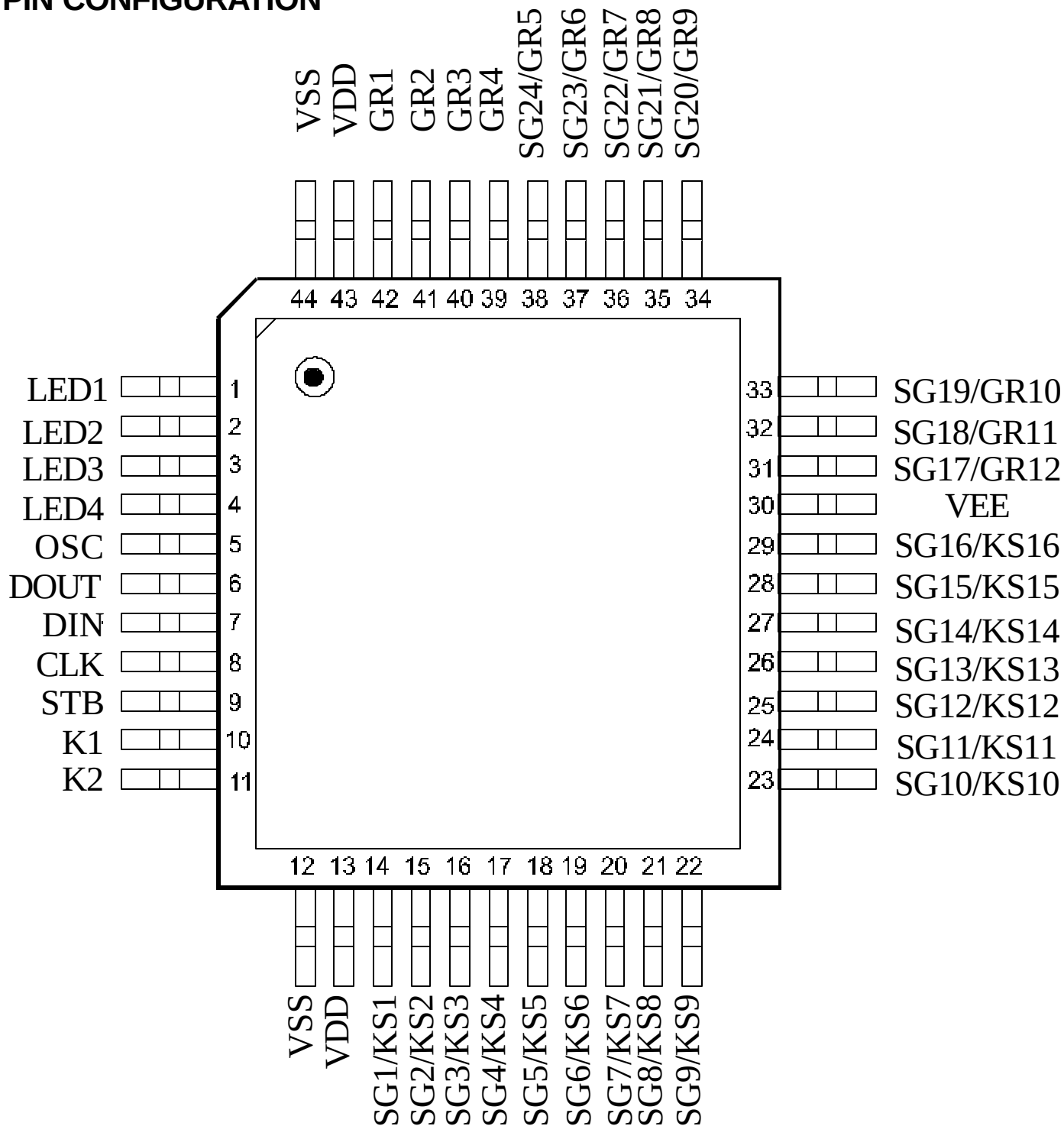


Figure 2: PT6315 Pin Configuration

APPLICATION CIRCUIT

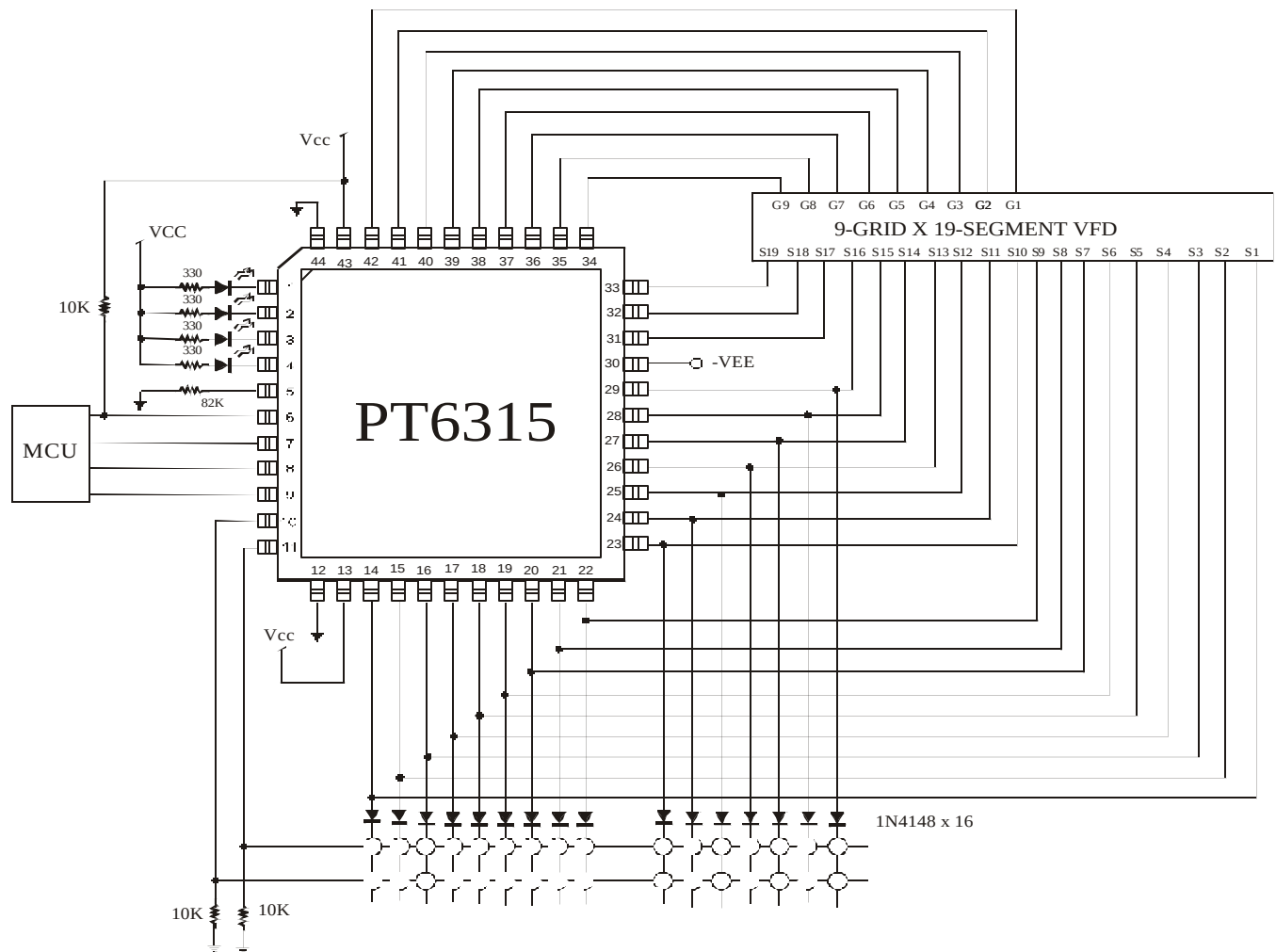


Figure 18: PT6315 Applicaiton Circuit