Tel: 886-2-66296288 Fax: 886-2-29174598 URL: http://www.princeton.com.tw

VFD Driver/Controller IC

PT6311

DESCRIPTION

PT6311 is a Vacuum Fluorescent Display (VFD) Controller driven on a 1/8 to 1/16 duty factor housed in 52-pin plastic QFP Package. Twelve segment output lines, 8 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 PT6311 via a three-line serial interface.

FEATURES

- CMOS Technology
- Low Power Consumption
- Key Scanning (12 x 4 matrix)
- Multiple Display Modes: (12 segments, 16 digits to 20 segments, 8 digits)
- 8-Step Dimming Circuitry
- LED Ports Provide (5 channels, 20mA max.)
- 4- Bits General Purpose Input Ports Provided
- Serial Interface for Clock, Data Input, Data Output, Strobe Pins
- No External Resistors Needed for Driver Outputs
- Available in 52pins QFP and LQFP

APPLICATION

Microcomputer Peripheral Devices

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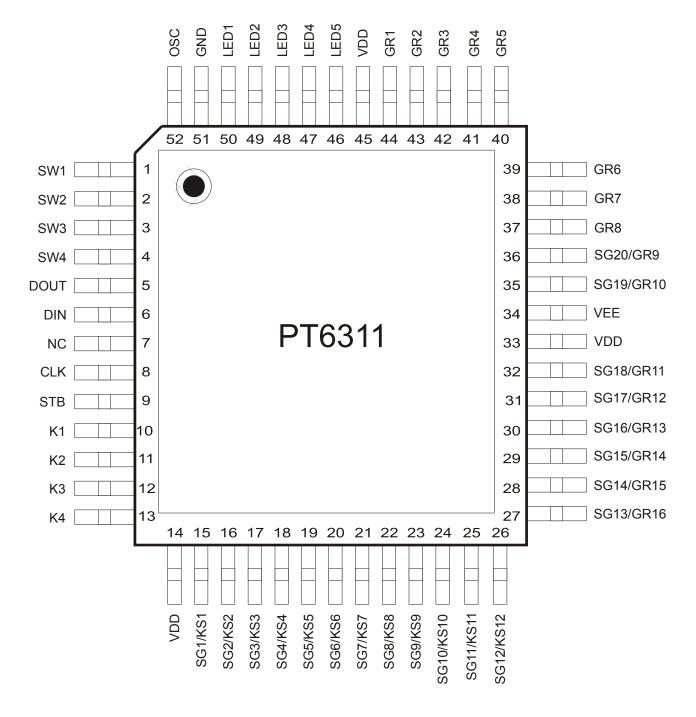
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PIN CONFIGURATION



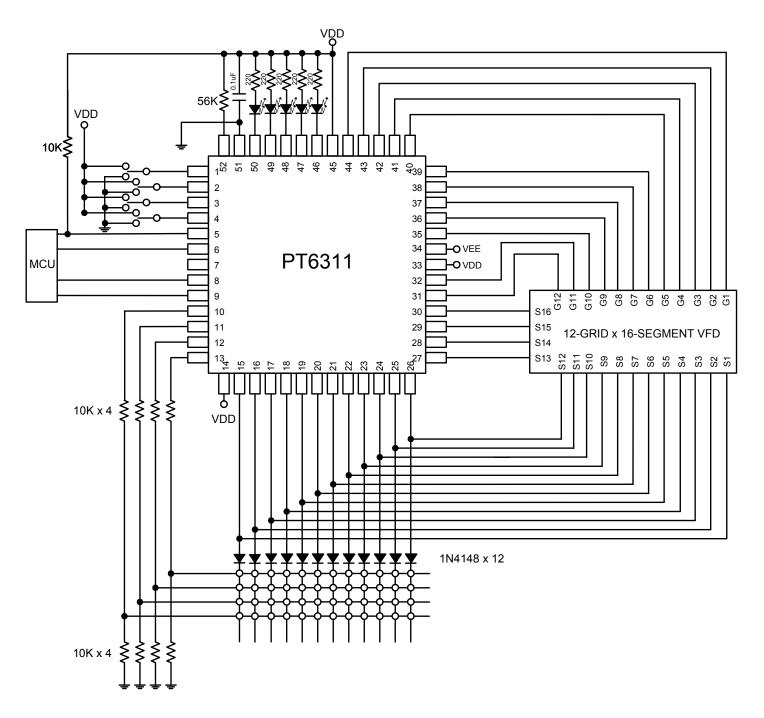
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12-GRID X 16-SEGMENT VFD APPLICATION CIRCUIT



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PT6311

ORDER INFORMATION

Order Part Number	Package Type	Top Code
PT6311-LQ (L)	52 Pin, LQFP	PT6311-LQ

Notes:

- (L), (C) or (S) = Lead Free.
 The Lead Free mark is put in front of the date code.

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