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

LED Driver IC PT6958

DESCRIPTION

PT6958 is an LED Controller driven on a 1/6 duty factor. Ten segment output lines, five grid output 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 microcomputer. Serial data is fed to PT6958 via a three-line serial interface. Housed in a 28-pin SOP, PT6958's pin assignments and application circuit are optimized for easy PCB Layout and cost saving advantages.

FEATURES

- CMOS Technology
- Low Power Consumption
- Up to 10 Segment Output Drivers
- Up to 5 Grid Output Drivers
- Key Scanning (6 x 4 Matrix)
- 8-Step Dimming Circuitry
- Serial Interface for Clock, Data Input, Data Output, Strobe Pins
- Available in 28 pins, SOP

APPLICATIONS

• Micro-computer Peripheral Device

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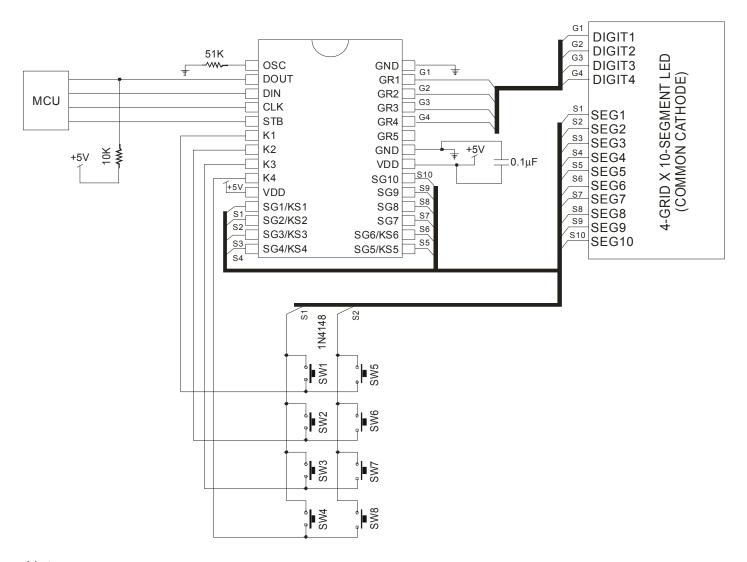
PIN CONFIGURATION

		1	
OSC 1 DOUT 2 DIN 3 CLK 4 STB 5	0	28 27 26 25 24	GND GR1 GR2 GR3 GR4
K1 6		23	GR5
K2 7 K3 8	PT6958	22	GND VDD
K4 9			SG10
VDD 10 SG1/KS1 11		19 18	SG9 SG8
SG2/KS2 12		17	SG7
SG3/KS3 13			SG6/KS6
SG4/KS4 14		16	SG5/KS5

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APPLICATION CIRCUIT



Note:

- 1. The external capacitor $(0.1\mu F)$ that is connected between the GND and the VDD pins must be located as close to the PT6958 chip as possible.
- 2. The PT6958 power supply is separate from the application system power supply.

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ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT6958	28pins, SOP, 300mil	PT6958
PT6958 (L)	28pins, SOP, 300mil	PT6958

Notes:

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