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

LED Driver IC PT6955

### **DESCRIPTION**

PT6955 is an LED Controller driven on a 1/4 to 1/7 duty factor. Twelve/nine segment output lines, 4 to 7 grid output lines, one display memory, control 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 PT6955 via a three-line serial interface. Housed in a 24-pin SOP, PT6955's pin assignments and application circuit are optimized for easy PCB Layout and cost saving advantages.

### **FEATURES**

- CMOS Technology
- Low Power Consumption
- 8-Step Dimming Circuitry
- Serial Interface for Clock, Data Input, Strobe Pins
- Available in 24-pin, SOP

### **APPLICATIONS**

Micro-computer Peripheral Device

Tel: 886-2-66296288 Fax: 886-2-29174598

PT6955

URL: http://www.princeton.com.tw

# **PIN CONFIGURATION**

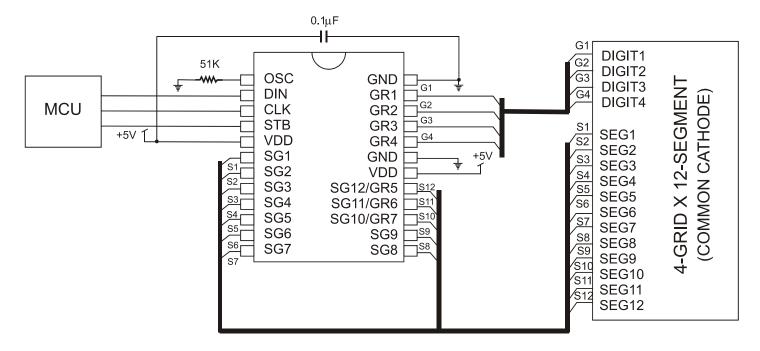
**LED Driver IC** 

osc $\square$	1		24	GND
DIN _	2		23	☐ GR1
CLK [	3		22	☐ GR2
STB _	4		21	GR3
VDD	5		20	GR4
SG1 □	6	PT6955	19	☐ GND
SG2 $\square$	7		18	□ VDD
SG3 $\square$	8		17	SG12/GR5
SG4 $\square$	9		16	SG11/GR6
SG5 🗆	10		15	SG10/GR7
SG6 □	11		14	□ SG9
SG7 🗀	12		13	□ SG8

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

LED Driver IC PT6955

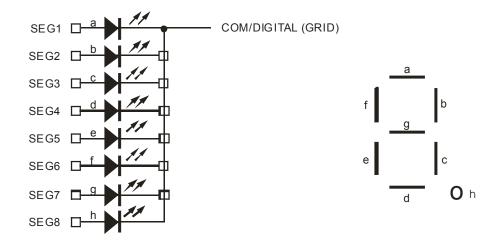
### **APPLICATION CIRCUIT**



#### Note:

- 1. The capacitor  $(0.1\mu F)$  connected between the GND and VDD Pins must be located as near as possible to the PT6955 chip.
- 2. The PT6955 power supply is separate from the application system power supply.

### COMMON CATHODE TYPE LED PANEL



Tel: 886-2-66296288 Fax: 886-2-29174598

URL: http://www.princeton.com.tw

# LED Driver IC PT6955

## **ORDER INFORMATION**

Valid Part Number	Package Type	Top Code
PT6955	24pins, SOP, 300mil	PT6955
PT6955 (L)	24pins, SOP, 300mil	PT6955

#### Notes:

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