

7350	P. 1
10-OUTPUT CONTROLLER IC	

## ■ DESCRIPTION

7350 is specially designed for 10 outputs applications. It is mainly used in car braking system with multi-control inputs.

Speed is adjusted by external RC oscillator.

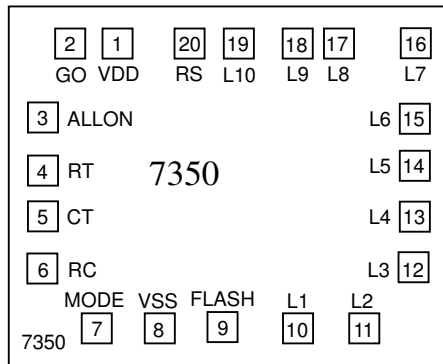
Maximum 10 outputs, the reset pin can be connected to use fewer outputs.

Directly application in 12VDC circuits , more convenience and stability .

## ■ FEATURES

- CMOS Fab Technology
- Working Voltage : 2.0~15VDC
- Functions are :
  - (1) Sequential Chasing - POWER ON
  - (2) Steady On
  - (3) All Flashing
  - (4) Forward and Backward Chasing
  - (5) Sequentially Grow  
(L1,L1L2, ...,OFF,L1,..)
- Outputs can be set to 2-10 outputs
- Output is source type (positive) to direct drive LED or drive by NPN transistor

## ■ IC pad assignment



Chip Size: 2130 x 2280  $\mu$ M

IC substrate to VDD

## ■ Product Packages

Name	Package	Outputs
7350C	Chip form	L1 ~ L10
7350-0	20P DIP	L1 ~ L10
7350-2	16P DIP	L1 ~ L6 +RESET
7350-3	16P DIP	L1 ~ L7 +RESET

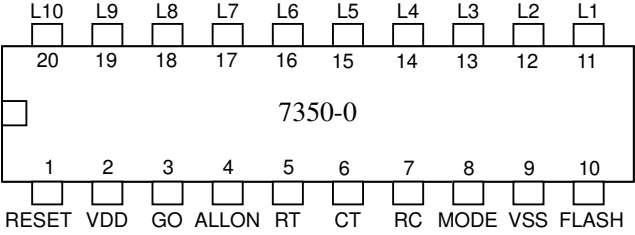
## ■ IC pin description

Pin	Symbol	Function Description
1	VDD	Power positive
2	GO	Forward & Backward +VDD
3	ALLON	All Steady On +VDD
4	RT	RC OSC
5	CT	
6	RC	
7	MODE	Sequentially Grow +VDD
8	VSS	Power negative
9	FLASH	All Flashing +VDD
10	L1	Output1
11	L2	Output2
12	L3	Output3
13	L4	Output4
14	L5	Output5
15	L6	Output6
16	L7	Output7
17	L8	Output8
18	L9	Output9
19	L10	Output10
20	RS(RESET)	RESET pin

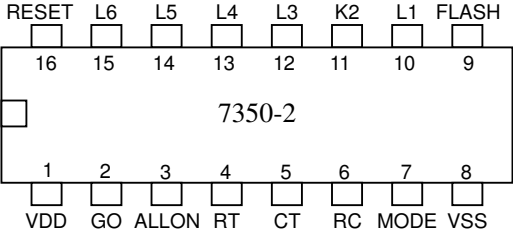
7350	P. 2
10-OUTPUT CONTROLLER IC	

■ 7350 PACKAGE TYPE

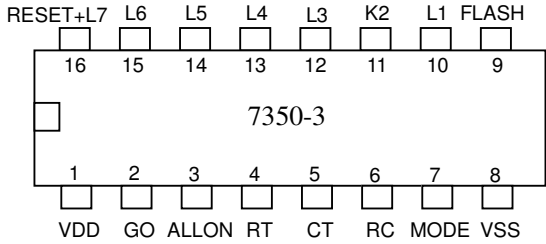
1. 10 OUTPUTS (20P DIP)



2. 6 OUTPUTS (16P DIP)



3. 7 OUTPUTS (L7+RESET)(16P DIP)



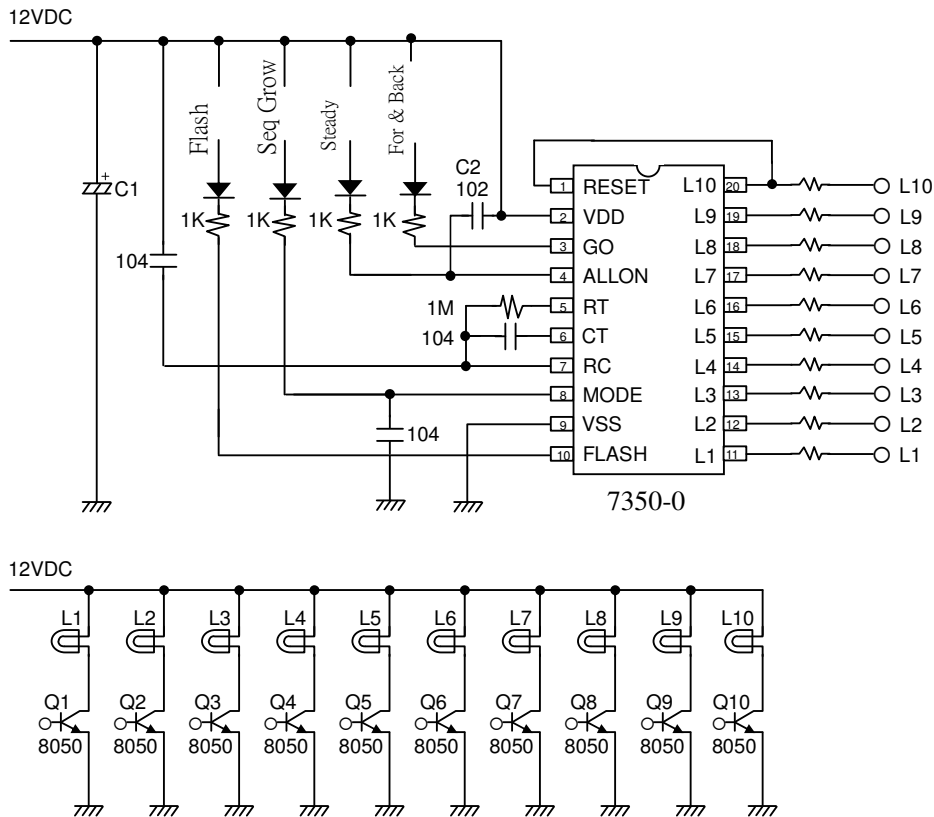
## ■ APPLICATIONS (7350-0 20-PIN— 10 OUTPUTS)

### 1. Lamps

(1) 12VDC

(2) Normal — Sequential Chasing

(3) Braking — Steady On, Flashing, Forward & Backward, Sequentially Grow options

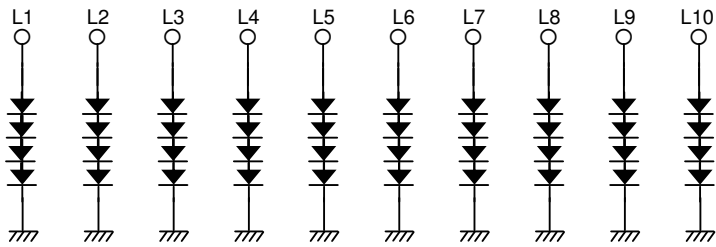
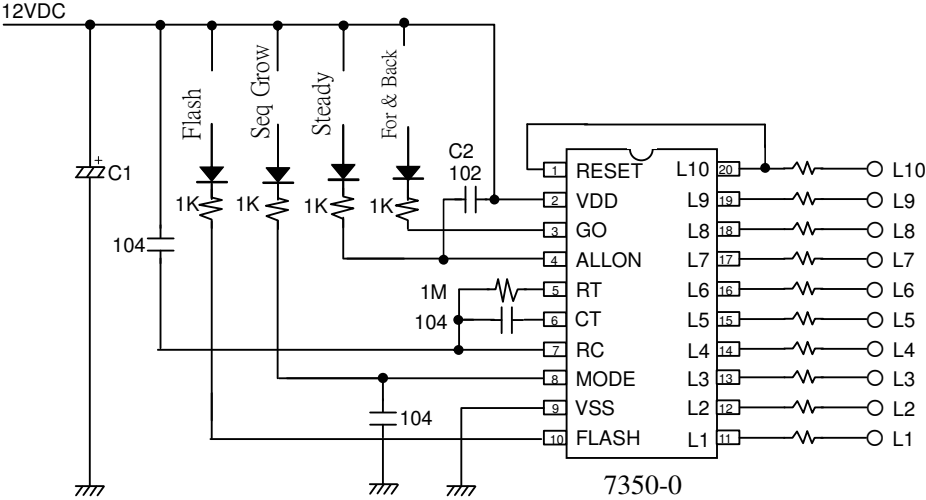


## ■ NOTES

1. In order to compensate Power On Reset in high current and high voltage conditions, add C1=47 $\mu$ F and 102 to ALLON pin, IC will be more stable.
2. In Sequentially Grow, L10 or the last output should be connected to RESET pin.
3. VDD or any input pin should be connected IN4001 and one R to protect IC in the high voltage operation conditions.
4. MODE pin – Add one 104 capacitor to VSS for noise immunity or connect to VSS if not been used.

2. LED application

- (4) 12VDC
- (5) Normal — Sequential Chasing
- (6) Braking — Steady On, Flashing, Forward & Backward , Sequentially Grow options

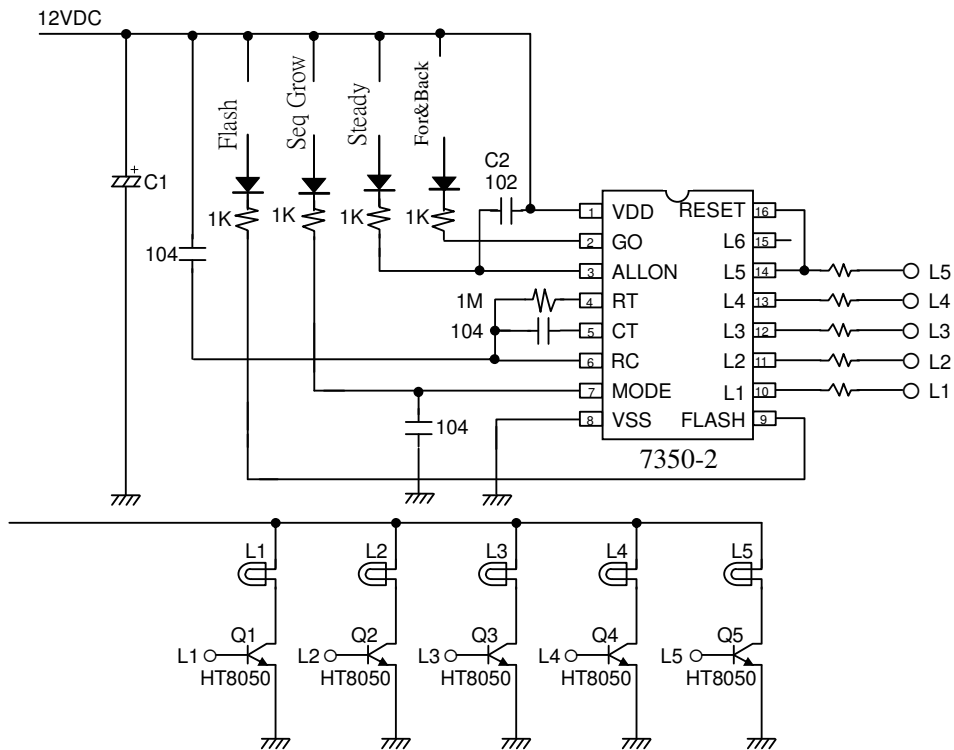


## ■ 7350-2 16PIN—6 outputs

(7) 12VDC

(8) Normal — Sequential Chasing

(9) Braking — Steady On, Flashing, Forward & Backward, Sequentially Grow options



3. 接 LED

(10) 12VDC

(11) Normal — Sequential Chasing

(12) Braking — Steady On, Flashing, Forward & Backward, Sequentially Grow options

