深 圳 市 丽 晶 微 电 子 科 技 有 限 公 司
SHEN　ZHEN　ELITE　CHIP　MICROCUIT　CO.,LTD

682A/32DD　　2531 小时多种定时选择 IC

1、 芯片工作电压 2.0-3.6V，

2、 当 KEY1 开关脚一直接 VDD，上电可工作；（以选择定时 2 小时为例）则定时工作 2 小时后停止，如果定时过程中高电位消失，则输出马上停止，重新加上高电位则重新计时 2 小时， 输出为高电平。

3、 极限参数

ABSOLUTE MAXIMUM RATING

Supply voltage (Vdd)······························· − 0.3V ~ 6.0V

Input in voltage (Vin)······························· Vss − 0.2V ~ Vdd + 0.2V

Operating ambient temperature (Topr)

EC25L31S, ······························.. 0℃ ~ + 70℃

Storage ambient temperature (Tstor) ······················· − 40℃ ~ + 125℃

4、电气参数

(All of voltages refer to Vss, Vdd = 3.0V, Fosc = 4MHz, Fcpu=1MHz, ambient temperature is 25℃ unless otherwise note.)

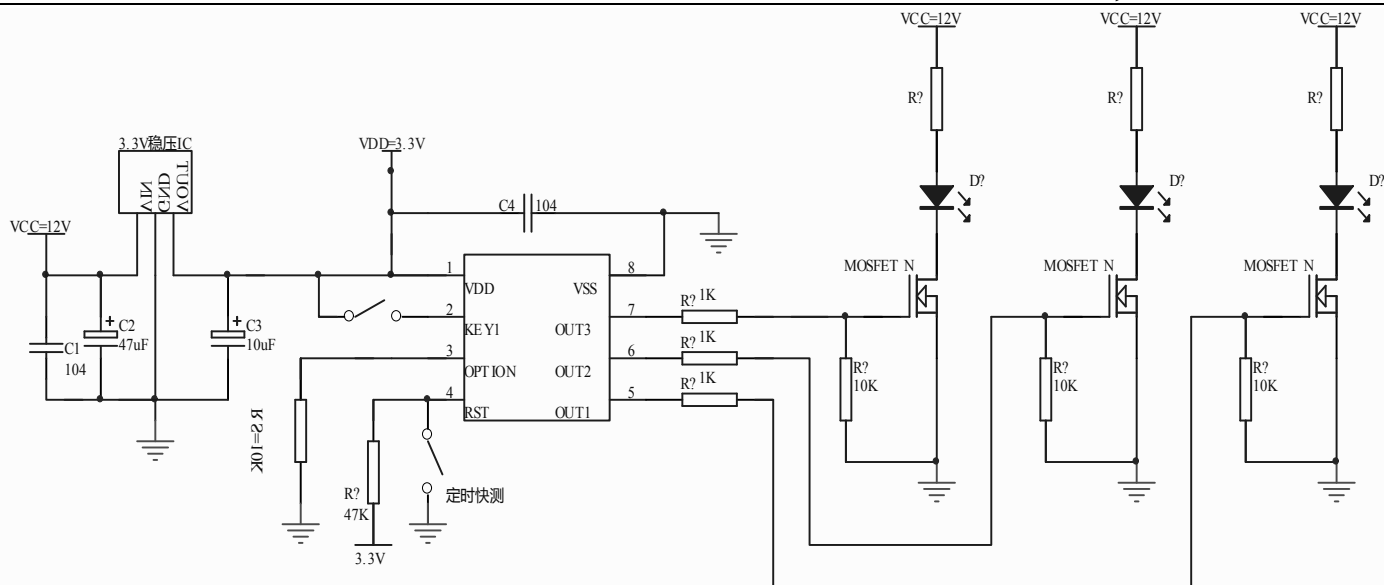| PARAMETER	SYM.	DESCRIPTION		MIN.	TYP.	MAX.	UNIT
Operating voltage	Vdd	Normal mode. Fcpu = 2MHz (Fhosc=4MHz)		1.8	-	3.6	V
		Normal mode. Fcpu = 4MHz (Fhosc=8MHz)		2.4	-	3.6	V
RAM Data Retention voltage	Vdr			1.5	-	-	V
*Vdd rise rate	Vpor	Vdd rise rate to ensure internal power-on reset		0.05	-	-	V/ms
Input Low Voltage	ViL	All input ports and Reset pin.　Vdd=3V		Vss	-	0.11Vdd	V
Input High Voltage	ViH	All input ports and Reset pin.　Vdd=3V		0.5Vdd	-	Vdd	V
Input Leakage Current	Iil1	Reset pin. Vss≤Vin≤Vdd , Vdd = 3V		-2	-	2	uA
	Iil2	I/O pin is at high-impedance. Vss≤Vin≤Vdd , Vdd = 3V		-1	-	1	uA
I/O port pull-up resistor	Rup	Vin = Vss , Vdd = 3V		100	200	300	KΩ
I/O port pull-down resistor	Rup	Vin = Vss , Vdd = 3V		100	200	300	KΩ
I/O port input leakage current	Ilekg	Pull-up resistor disable, Vin = Vdd, Vdd = 3V.		-	-	2	uA
I/O output source current	IoH	Vo = Vdd − 0.5V, Vdd = 3V		5	-	-	mA
I/O output sunk current	IoL	Vo = Vss + 0.5V, Vdd = 3V		5	-	-	mA
INTn trigger pulse width	Tint0	INT0 interrupt request pulse width		2/fcpu	-	-	cycle
Supply Current	Idd1	Run Mode (No loading)	Vdd= 3V, Fcpu = 4MHz	-	1	-	mA
			Vdd= 3V, Fcpu = 1MHz	-	0.5	-	mA
			Vdd= 3V, Fcpu = 455KHz/2	-	0.4	-	mA
			Vdd= 3V, Fcpu = 32KHz/2	-	80	-	uA
	Idd2	Sleep Mode	Vdd=3V	-	1	2	uA
	Idd4	Green Mode (No loading, Watchdog Disable)	Vdd=3V, IRC=8MHz	-	0.2	-	mA
			Vdd=3V, Crystal=8MHz	-	0.3	-	mA
			Vdd=3V, Ext. 32KHz X'tal	-	8	-	uA
Internal High-Speed Oscillator	Firc	Internal RC (IRC) Vdd=1.8~3.6V	Operating mode. 25°C.	7.84	8	8.16	MHz
			Operating mode. 0°C~70°C.	7.68	8	8.32	MHz
LVD Detect Level	LVD18	25℃.		1.4	1.6	1.8	V
		0℃~+70℃.		1.3	1.6	1.9	V
	LVD22	25℃.		2.0	2.2	2.4	V
		0℃~+70℃.		1.9	2.2	2.5	V

" *" These parameters are for design reference, not tested.

5、参考电路图：

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定时选择	不接RS	接RS
OUT1	1H	4H
OUT2	2H	5H
OUT3	3H	6H

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