



辅助电源部分

温度采集

I2C 通讯

输出

IO 扩展

显示部分

编程接口 PROG

状态切换开关

温度输入

峰值电流采集

BOOST 变换器

BUCK 变换器

降压供电开关

降压回路负载开关

升压供电开关

升压回路负载开关

数字电源原理图

dsPIC33EP64GS02

AN0/CMP1A/RA0	27	MCLR	26
AN1/RA1	28	VCAP	17
AN2/CMP2A/RA2	29	VDD	25
PWM1L/RA3	30	AVDD	24
PWM1H/RA4	31	VSS	16
		AVSS	29
AN3/RB0	2	Thermal Pad	29
RB1	6		
AN7/RB2	8		
PGD	10		
PGEC2/RB3	11		
PGD	12		
PGEC2/RB4	13		
AN19/RB5	14		
SCL/RB6	15		
SDA1/RB7	16		
RB8	17		
AN4/RB9	18		
RB10	19		
RB11	20		
RB12	21		
RB13	22		
RB14	23		
RB15	24		

LCD1 SMG12864K9

SCL	12	
SDA	13	
GPA0	14	
GPA1	15	
GPA2	16	
GPA3	17	
GPA4	18	
GPA5	19	
GPA6	20	
GPA7	21	
NC	22	
NC	23	
NC	24	
NC	25	
NC	26	
NC	27	
NC	28	
NC	29	
NC	30	
NC	31	
NC	32	
NC	33	
NC	34	
NC	35	
NC	36	
NC	37	
NC	38	
NC	39	
NC	40	
NC	41	
NC	42	
NC	43	
NC	44	
NC	45	
NC	46	
NC	47	
NC	48	
NC	49	
NC	50	
NC	51	
NC	52	
NC	53	
NC	54	
NC	55	
NC	56	
NC	57	
NC	58	
NC	59	
NC	60	
NC	61	
NC	62	
NC	63	
NC	64	
NC	65	
NC	66	
NC	67	
NC	68	
NC	69	
NC	70	
NC	71	
NC	72	
NC	73	
NC	74	
NC	75	
NC	76	
NC	77	
NC	78	
NC	79	
NC	80	
NC	81	
NC	82	
NC	83	
NC	84	
NC	85	
NC	86	
NC	87	
NC	88	
NC	89	
NC	90	
NC	91	
NC	92	
NC	93	
NC	94	
NC	95	
NC	96	
NC	97	
NC	98	
NC	99	
NC	100	