



Title		
Size	Number	Revision
A3		
Date:	8/13/2015	Sheet of
File:	D:\Project Design\2015全国电赛--电源	

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C9, C12, C14	0805	Cap	4
25V	Polarized Capacitor (Radial)	C2, C3, C7	电容 12.5mm 5	Cap Pol1	3
50V	Polarized Capacitor (Radial)	C5, C6	电容 12.5mm 5	Cap Pol1	2
16v/0805	Capacitor	C10	0805	Cap	1
0805	Capacitor (Semiconductor SIM Model)	C11, C15	0805	Cap Semi	2
16v/0805	Capacitor	C13	电阻-S0805	Cap	1
33	Capacitor	C16, C17	0805	Cap	2
4148	High Conductance Fast Diode	D1	SMA_R	Diode 1N4148	1
150uH	Inductor	L1	电感--大功率	Inductor	1
电池	Header, 2-Pin	P1	2P-插头-大	Header 2	1
电源输入	Header, 2-Pin	P2	2P-插头-大	Header 2	1
IR2104	Header, 4-Pin, Dual row	P3	SO-8_L	Header 4X2A	1
ICL7660	Header, 4-Pin, Dual row	P4	SO-8_L	Header 4X2A	1
1602液晶	Header, 16-Pin	P5	HDR1X16	Header 16	1
程序下载端口	Header, 4-Pin	P6	HDR1X4	Header 4	1
12VDC开关电源	Header, 2-Pin	P9	2分插座	Header 2	1
80NF70	N-Channel Power MOSFET	Q1, Q6	TO-220_Rad	NMOS-2	2
SS8050	NPN General Purpose Amplifier	Q2, Q4	三极管-SOT-23	2N3904	2
SS8550	PNP General Purpose Amplifier	Q3, Q5	三极管-SOT-23	2N3906	2
Res Semi	Semiconductor Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R12, R13, R14, R15, R16, R30	0805	Res Semi	14
2512/2W	Semiconductor Resistor	R9	电阻-S2512	Res Semi	1
3296电位器	Square Trimming Potentiometer	R11	电阻--3296	RPot SM	1
Res1	Resistor	R17, R18	0805	Res1	2
	Switch	S0, S1, S2, S3	按键 小	SW-PB	4
OP07A	Ultra-Low Offset Voltage Operational Amplifier	U1	DIP8	ADOP07CR	1
STC12C5A60S2单片机		U2	DIP40	stc单片机	1
7805	Three-Terminal Positive Voltage Regulator	U3	D-pak	MC7805CD2T	1
XTAL	Crystal Oscillator	Y1	晶振	XTAL	1