



Title		
Size	Number	Revision
A2		
Date:	2017/3/30	Sheet of
File:	D:_SS.RV10A.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
10k	Potentiometer	1	VR5	RPot	1
CBB105	Capacitor	C1, C3, C4, C5, C18	CBB电容	Cap	5
CBB102	Capacitor	C2, C15	CBB电容	Cap	2
105/AC275V	Polarized Capacitor (Radial)	C6, C10	陶瓷电容	Cap Pol1	2
105/AC275V	Polarized Capacitor (Radial)	C7, C9	安规电容	Cap Pol1	2
104/1000V	Polarized Capacitor (Radial)	C8	陶瓷电容	Cap Pol1	1
220UF/250V	Polarized Capacitor (Radial)	C11, C13	电解电容	Cap Pol1	2
2.2UF	Polarized Capacitor (Radial)	C12	电解电容	Cap Pol1	1
Cap	Capacitor	C14	RAD-0.3	Cap	1
330UF/450V	Polarized Capacitor (Radial)	C16, C17	电解电容	Cap Pol1	2
1uf	Capacitor, Polarized Capacitor (Radial)	C19, C22	CAPPR2-5x6.8	Cap, Cap Pol1	2
100UF	Polarized Capacitor (Radial)	C20, C21	CAPPR2-5x6.8	Cap Pol1	2
680pf	Capacitor	C23	CAP3.0	Cap	1
0.1uf	Capacitor	C24, C28	CAP3.0	Cap	2
10n	Capacitor	C25	CAP3.0	Cap	1
20p	Capacitor	C26	CAP3.0	Cap	1
Cap	Capacitor	C27, C29	CAPPR2-5x6.8	Cap	2
Diode	Default Diode	D1, D4	功率二极管	Diode	2
Diode 11DQ03	Schottky Rectifier	D2, D5	DIO10.46-5.3x2.8	Diode 11DQ03	2
Bridge1	Full Wave Diode Bridge	D3	整流桥	Bridge1	1
UF4007/1N4937	Default Diode	D6	DIODE-0.4	Diode	1
D Zener	Zener Diode	D7	DIODE-0.4	D Zener	1
Fuse 1	Fuse	F1	FUSE	Fuse 1	1
10A	Fuse	F2	FUSE	Fuse 2	1
Plug AC Female	IEC Mains Power Outlet, EN60 320-2-2 F Class I, PC Flange Rear Mount, Chassis Socket	J1	AC220	Plug AC Female	1
100UH	Magnetic-Core Inductor	L1	AXIAL-0.9	Inductor Iron	1
2uh	Magnetic-Core Inductor	L2	AXIAL-0.9	Inductor Iron	1
Header 6H	Header, 6-Pin, Right Angle	P1, P3	HDR1X6	Header 6H	2
Header 4H	Header, 4-Pin, Right Angle	P2, P4	HDR1X4	Header 4H	2
IRF460	N-Channel Power MOSFET	Q1	功率MOS管	NMOS-2	1
NMOS-2	N-Channel Power MOSFET	Q2	功率MOS管	NMOS-2	1
TL431		Q3, Q4	TL431-TO92	TL431	2
NTC	Resistor	R1	AXIAL-0.4	Res2	1
51Ω	Resistor	R2, R7	R2512	Res2	2
10k	Resistor	R3, R10	AXIAL-0.4	Res2	2
510Ω	Resistor	R4, R8	R2512	Res2	2
压敏电阻	Resistor	R5, R6	AXIAL-0.4	Res2	2
10mΩ	Resistor	R9	R2512	Res2	1
0.05	Resistor	R11	R2512	Res2	1
0	Resistor	R12, R13	AXIAL-0.4	Res2	2
30k	Resistor	R14, R19, R28	R0805	Res2	3
20	Resistor	R15, R17	R0805	Res2	2
0	Resistor	R16, R36	R0805	Res2	2
180	Resistor	R18	R0805	Res2	1
10K	Resistor	R20, R21, R23, R29, R33, R35, R37, R39	R0805	Res2	8
3K	Resistor	R22, R38	R0805	Res2	2
Res2	Resistor	R24, R25, R31, R32	R0805	Res2	4
180欧姆	Resistor	R26	R0805	Res2	1
5.1K	Resistor	R27	AXIAL-0.4	Res2	1
1.5k	Resistor	R30	AXIAL-0.4	Res2	1
100K	Resistor	R34	R0805	Res2	1
RPot	Potentiometer	R40	VR5	RPot	1
2K	Resistor	R41, R43, R44	R0805	Res2	3
100K	Potentiometer	R42	VR5	RPot	1
Trans CT	Center-Tapped Transformer (Coupled Inductor Model)	T1	PCBComponent_1	Trans CT	1
Trans	Transformer	T2	滤波电感	Trans	1
SG3525_2		U1	DIP-16	SG3525_2	1
IR2110		U2	DIP-14	IR2110	1
PC817		U3	DIP-4	PC817	1
LM358		U4, U5	DIP-8	LM358	2