



Title **Adept Self-Balancing Robot Kit**

Size: B Number: 1 Revision: V1.0

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**Altium**

Comment	Description	Designator	Footprint	LibRef	Quantity
50V	Polarized Capacitor (Radial)	C1, C2	470uF/35V	Cap Pol1	2
Cap	Capacitor	C3, C4	0805	Cap	2
SK54/1N5824	Default Diode	D0	SS54	Diode	1
6x1F	Header, 6-Pin	JANALOG	HDR1X6	Header 6	1
10x1F	Header, 10-Pin	JHIGH	HDR1X10	Header 10	1
8x1F	Header, 8-Pin	JLOW, POW	HDR1X8	Header 8	2
Inductor	Inductor	L0	33uH/5A	Inductor	1
LED3	Typical BLUE SiC LED	LED1, LED2, LED3, LED4	LED0805	LED3	4
Header 6	Header, 6-Pin	motorA, motorB	HDR1X6	Header 6	2
Header 8	Header, 8-Pin	MPU6050, P111, P112	HDR1X8	Header 8	3
Header 2	Header, 2-Pin	P1	FS250-3.5-2P 正?	Header 2	1
Header 6X2	Header, 6-Pin, Dual row	P2	HDR2X6	Header 6X2	1
Adept Blue Tooth Module	Header, 4-Pin	P3	HDR1X4	Header 4	1
Adept ESP8266 Module	Header, 4-Pin, Dual row	P4	HDR2X4	Header 4X2	1
Adept Ultrasonic Module	Header, 4-Pin	P5	HDR1X4	Header 4	1
LED	Typical INFRARED GaAs LED	Power	LED0805	LED0	1
Res2	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	0805	Re, Res2	12
10K		RN4	0603排阻	4*10K	1
SW-SPDT	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	SW	电源开关	SW-SPDT	1
TL431		T1	SOT23	T	1
GS2678		U2	GS2678	GS2678	1
LM324		U4	SO14	LM3	1