

按键

功能LED

复位电路

晶振

超声波接口

OLED接口

CCD接口

电机驱动

串口

电源

SWD调试接口

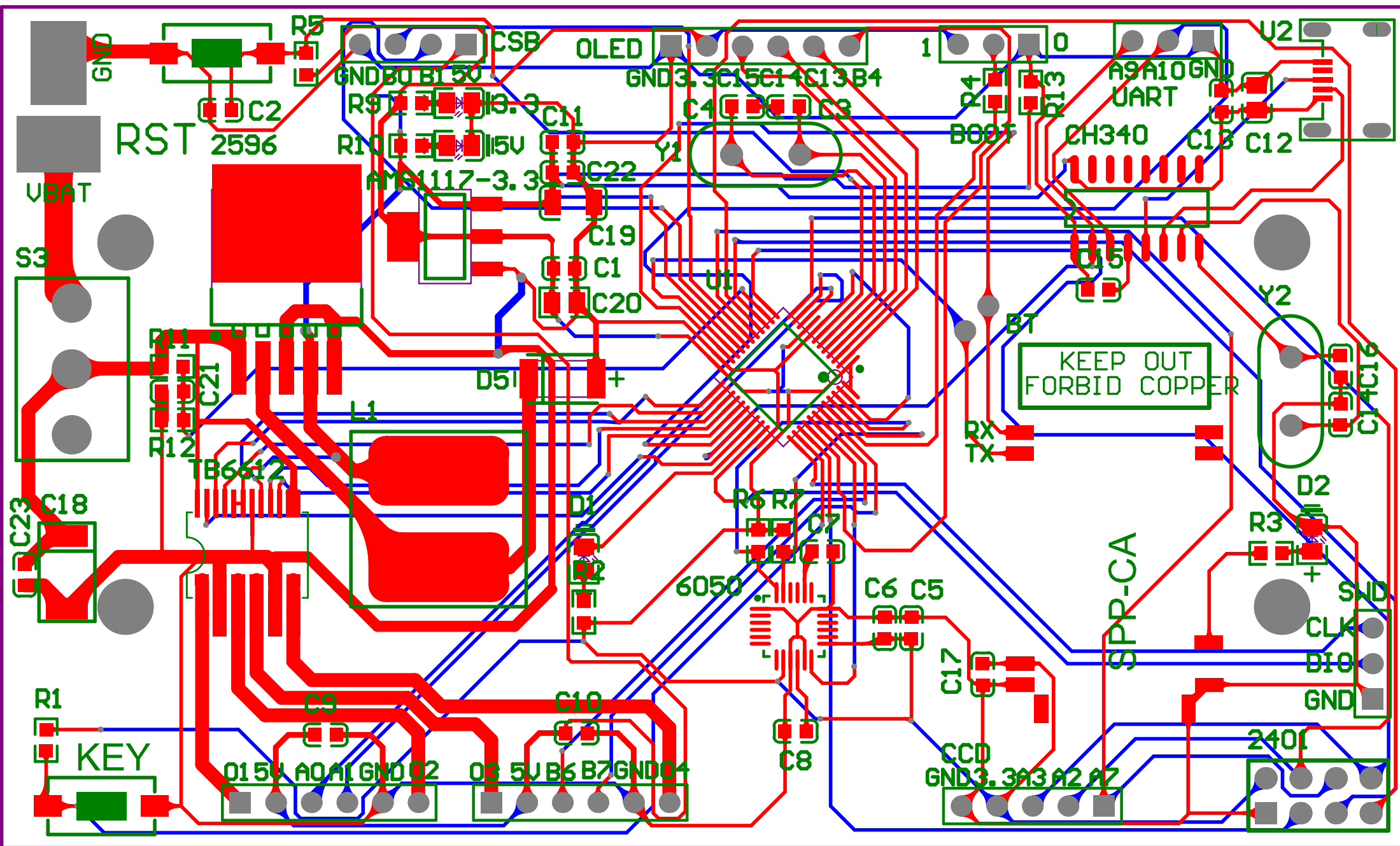
BOOT选择

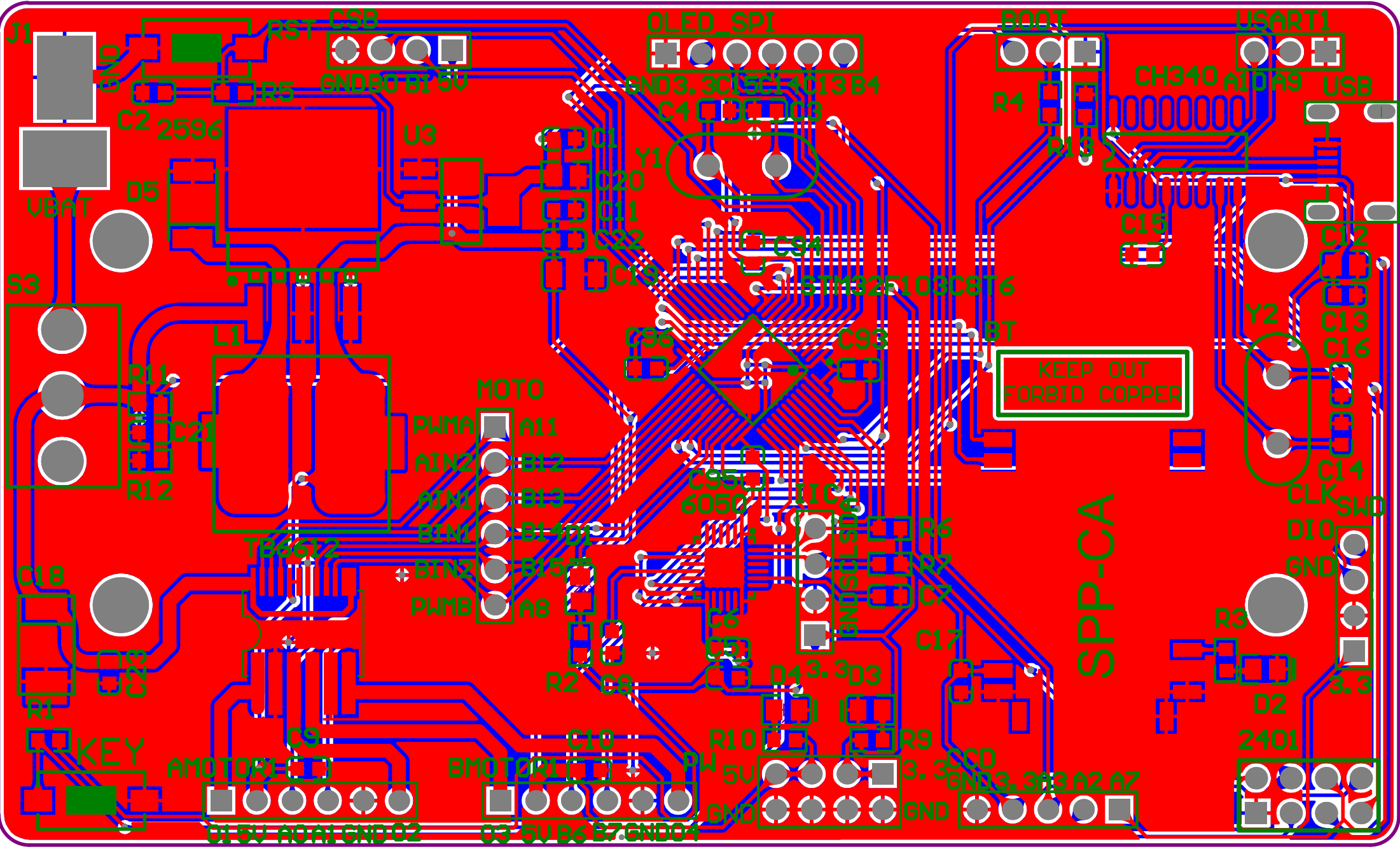
NRF2401接口

蓝牙

MPU6050姿态传感器

Title		
Size	Number	Revision
A3		
Date:	2017/5/16	Sheet of
File:	G:\AD制作\平衡小车主控板\平衡小车主控板.Dcb	DocuBdy:





Comment	Description	Designator	Footprint	LibRef	Quantity
NRF24L01	Header, 4-Pin, Dual row, Right Angle	1	LC-HDR2X4H	Header 4X2H	1
MPU6050	9轴运动处理传感器	2	LC-QFN-24_4x4x05P	MPU6050	1
TB6612		3	TB6612	TB6612	1
CH340G		4	SO-16	CH340G	1
LM2596t-5v	Simple Switcher 3A Step Down Voltage Regulator	5	LC-TO-263-5	LM2576	1
Header 6	Header, 6-Pin	AMOTOR1, BMOTOR1, MOTO, OLED1	HDR1X6	Header 6	4
SPP-C	sppc	BT1	SPP-C	SPP-C	1
	[NoValue], [NoValue], [NoValue], Capacitor, Capacitor, Capacitor, [NoValue], [NoValue], [NoValue]	C1, C3, C4, C5, C6, C7, C8, C13, C14, C15, C16	LC-0603_C	C, C, C, Cap, Cap, Cap, Cap, C, C, C, C	11
1uF		C2	LC-0603_C	C_1	1
0.1uf		C9, C10, C11, C17, C21, C22, C23	LC-0603_C	cap	7
		C12	LC-0805_C	C	1
Cap Pol1	Polarized Capacitor (Radial)	C18	100uF钽电容	Cap Pol1	1
Cap Pol1	Polarized Capacitor (Radial)	C19	LC-1206_C	Cap Pol1	1
22uf	Polarized Capacitor (Axial)	C20	LC-0805_R	Cap Pol2	1
Cap	Capacitor	C93, C94, C95, C96	LC-0603_C	Cap	4
Header 5	Header, 5-Pin	CCD1	HDR1X5	Header 5	1
Header 3	Header, 3-Pin	CK1	HDR1X3	Header 3	1
Header 4	Header, 4-Pin	CSB1	HDR1X4	Header 4	1
LED0	Typical INFRARED GaAs LED	D1, D2, D3, D4	LC-0805_LED_S1	LED0	4
ES2D		D5	LC-DO-213AB	DIODE	1
Header 2	Header, 2-Pin	J1	VBAT	Header 2	1
33UH		L1	330电感	Inductor	1
BOOT	Header, 3-Pin	P1	HDR1X3	Header 3	1
Header 4X2	Header, 4-Pin, Dual row	PW	HDR2X4	Header 4X2	1
10K		R1, R5, R11	LC-0603_R	R_1, R_1, res	3
		R2, R3, R4, R6, R7, R9, R10, R13	LC-0603_R	R_1, R_1, R, R_1, R_1, R_1, R_1, R	8
1.5K		R12	LC-0603_R	res	1
SW-PB	Switch	S1, S2	KEY	SW-PB	2
SW-PB	Switch	S3	钮子开关	SW-PB	1
SWD	Header, 4-Pin	SWD1	HDR1X4	Header 4	1
STM32F103C8T6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U1	LC-LQFP-48_7x7x05P	STM32F103C8T6	1
USB_CONNECTOR		U2	MINI_USB_FEMALE	USB_CONNECTOR	1
AMS1117_1	3.3v电压转换器 AMS1117	U3	LC-SOT-223	AMS1117_1	1
	Crystal Oscillator	Y1, Y2	LC-HC-49S	XTAL	2