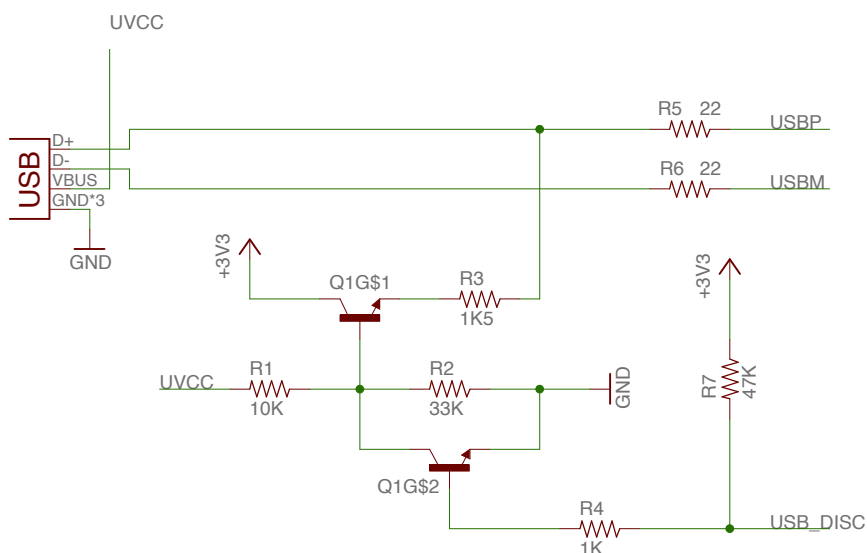
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SPI_MOSI	28	PB15
SPI_MISO	27	PB14
SPI_SCK	26	PB13
WIFI_CS	25	PB12
WIFI_INT	22	PB11
USB_DISC	21	PB10
MEM_CS	46	PB9
WIFI_EN	45	PB8

U2PORTB_R

D0	43	PB7
D1	42	PB6
D2	41	PB5
D3	40	PB4
D4	39	PB3
BTN	20	PB2
A7	19	PB1
A6	18	PB0

U2PORTB_L

D5	38	PA15
D6	37	PA14
D7	34	PA13
USBP	33	PA12
USBM	32	PA11
LED4	31	PA10
LED3	30	PA9
LED2	29	PA8

U2PORTA_R

PA7	17	A5
PA6	16	A4
PA5	15	A3
PA4	14	A2
PA3	13	BX
PA2	12	TX
PA1	11	A1
PA0	10	A0

U2PORTA_L

PC13	2	OSC32_IN
PC14	3	OSC32_OUT
PC15	4	OSC32_OUT

PD0/OSC<=	5	OSC_IN
PD1/OSC=>	6	OSC_OUT

STM32 GPIO

U2POWER	24	VDD_1
	36	VDD_2
	48	VDD_3
	23	VSS_1
	35	VSS_2
	47	VSS_3

VDDA	9	VDDA
VSSA	8	VSSA
VBAT	1	VBAT

STM32 Power

U2RESET	7	RST
NRST	44	
BOOT0		

STM32F10XCXT6

OSC32_OUT	Y1	OSC32_OUT
OSC32_IN	Y2	OSC32_IN

OSC_OUT	Y1	OSC_OUT
OSC_IN	Y2	OSC_IN

STM32 Decoupling, Reset, Crystal, & Boot

BTN

1 2 3 4

GND

LED_RGB	1	8	LED2
RN1A	2	7	LED3
RN1B	3	6	LED4
RN1C	4	5	D7
RN1D	5		

LED_USR

LED_USR

GND

RESET

1 2 3 4

R8 10K

RST

C6 100nF

GND

RAW	1	
GND	2	
TX	3	
BX	4	
A7	5	
A6	6	
A5	7	
A4	8	
A3	9	
A2	10	
A1	11	
A0	12	

JP1

M12PTH	1	+3V3
	2	RST
	3	VDDA
	4	GND
	5	D7
	6	D6
	7	D5
	8	D4
	9	D3
	10	D2
	11	D1
	12	D0

JP2

User IO

U3	8	VDD
	2	SPI_MISO
	5	SPI_MOSI
	6	SPI_SCK
	1	CE
	3	WP
	7	HOLD
	4	VSS

SST25VF040B-S2

External FLASH

Spark Core

TITLE: core

Document Number:

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