BLACK STM32F4VET6
BOARD PINOUTS
LEFT SIDE
PE2 = Pin0

life.augmented

Legend

Primary	Alternates
Port 5V tolerant	Not 5v tolerant
Dig/PWM	Dig/PWM
Special	Special
Analog	Analog
Serial	Serial
SPI	SPI (I2S)
I2C	I2C
GND	PWR

Left connector

Alt2	Alt1	#	Primary
			5V
			5V
			3.3v
			3.3v
			GND
		0	PE2
		2	PE4
		4	PE6
	A6	6	PC0
MISO2	A10	8	PC 2
	VREF-		VREF-
TX4	A0	10	PA0
TX2	A2	12	PA2
NSS1	DAC0	14	PA4
MISO1	LED1	16	PA6
	A8	18	PC4
F_CS	A4	20	PB0
		22	PE7
		24	PE9
		26	PE11
		28	PE13
		30	PE15
SDA2	RX3	32	PB11
SCK2	CTS3	34	PB13
			LED1
			LED2

USB **P1** **SD** **JP2** **J6**

			5v
			5v
			3.3v
			3.3v
			GND

Right connector

Primary	#	Alt1	Alt2
PE3	1		
PE5	3		
PC13	5		
PC1	7	A7	
PC3	9	A11	MOSI2
VREF+		VREF+	
PA1	11	A1	RX4
PA3	13	A3	RX2
PA5	15	DAC1	SCK1
PA7	17	LED2	MOSI1
PC5	19	A9	
PB1	21	A5	
PE8	23		
PE10	25		
PE12	27		
PE14	29		
PB10	31		
PB12	33		
PB14	35	CS_FLASH	

TX3	SCK2	SCL2
CK3	NSS2	SMBA2
RTS3	MISO2	

TX1 RX1 GND 5V

ISP

U2

B1

RST K_UP

TFT

J1

RST   SYS-WKUP

V2.3 RP12 May 2017