"Black" STM32F4VET6 Board Pinouts

Ver 3.0 – 14 May 2017 - RP Outside - Row "U"							LEFT	J2 Co	nne	ctor (L	JSB	side) -	Row	<u>'</u> "V" – I	nside					
Special + USB	I2C	SPI	Serial	Analog	Timer PWM	Defined Fn / Special	Arduino Pin	Port	5v Tolerant	Header Row	5v Tolerant	Port	Arduino Pin	Defined Fn / Special	Timer PWM	Analog	Serial	SPI	ISC	Special + USB
								5V		1		5v								
								5V		2		5v								
								3.3v 3.3v		<u>3</u>		3.3v 3.3v								
								GND		5		GND								
-							64	PE2	0	6	0	PE3	65							
							66	PE4	0	7	0	PE5	67		9.1					
					9.2		68	PE6	0	8	0	PC13	45							
				2																
		MICOO		A10			32 34	PC0 PC2	0	9	0	PC1 PC3	33			A11		MOCIO		
		MISO2		A12			34	VR-	0	10 11	0	VR+	35			A13		MOSI2		
-								V I 1-				VIT								
			TX4	A0	5.1		0	PA0	0	12	0	PA1	1		2.2	A1	RX4			
			TX2	A2	2.3		2	PA2	0	13	0	PA3	3		9.2, 2.4	A3	RX2			
		NSS1		A4, O1			4	PA4	0	14	0	PA5	5		2.1	A5, O2		SCK1		
-		MISO1		A6	3.1, 3.1, 1.B	LED1	6	PA6 PC4	0	15 16	0	PA7 PC5	7	LED2	8.1N, 3.2			MOSI1		
F CS				A14 A8	3.8, 8.2		36 16	PB0	0	16	0	PB1	37 17	-	3.4, 8.1N	A15 A9				
1_03				70	1.ET		69	PE7	0	18	0	PE8	70		1.1N	A3				
					1.1		71	PE9	0	19	0	PE10	72		1.2N					
					1.2		73	PE11	0	20	0	PE12	74		1.3N					
					1.3		75	PE13	0	21	0	PE14	76		1.4					
					1.BK		77	PE15	0	22	0	PB10	26		2.3		TX3	SCK2	SCL2	
	SDA2		RX3		2.4		27	PB11	0	23	o	PB12	28		1.BK		СКЗ	NSS2	SMBA2	
			CTS											SPI3_CS						
IS_VBUS	S	SCK2	3		1.1N		29	PB13	0	24	0	PB14	30	_FLASH	1.2N, 12.1		RTS3	MISO2		

				Inside	- Row "S	6" – RIC	энт Ј	3 Coni	nect	or SD	Car	d side	Row	"T" – O	utside						
Special + USB	12C	SPI	Serial	Analog	Timer PWM	Special	Arduino Pin	Port	5v Tolerant	Header Row	5v Tolerant	Port	Arduino Pin	Special	Timer PWM	Analog	Serial	IdS	12C	Special + USB	
								3.3v		1		3.3v									
								3.3v BT 0		3		3.3v PB2		BT1		Link to 3.3v/Gnd (default)					
								GND		4		GND		511		Link to 0.59/Gild (default)					
								GND		5		GND									
							63	PE1	0	6	0	PE0	64		4.ET						
	SDA1	NSS2			4.4		25	PB9	0	7	o	PB8	24		4.3, 10.1				SCL1		
	SDA1	11002	RX1		4.2		23	PB7	0	8	0	PB6	22		4.1		TX1		SCL1		
	SDA3, SMBA1	MOSI1,					21	PB5	0	9	0	PB3	19	JTDO	2.2			SCK1, SCK3			
	OIVID/ (1	WOOD	CK2				53	PD7	0	10	0	PD6	52	3100	2.2		RX2	JUNG			
			TX2				51	PD5	0	11	0	PD4	50				RTS2				
			CTS 2				49	PD3	0	12	0	PD2	48	SDCMD	3.ET		RX5				
			01/0				47	PD1	0	13	0	PD0	46				DV4				
	SD3	MOSI3	CK3, TX5			SDCK	44	PC12	0	14	o	PC11	43	SDD3			RX4, RX3	MISO3			
		SCK3	TX4, TX3			SDD2	42	PC10	0	15	o	PA15	41	JTDI	2.1ET			NSS1, NSS3			
FS DP			RTS 1				12	PA12	0	16	0	PA11	11		1.4		CTS1			FS DM	
			RX1		1.3		10	PA10	0	17	0	PA9	9	???	1.2		TX1		SMBA3	FS VB	
FS SOF	SCL3		CK1		1.1		8	PA8	0	18	0	PC9	41	SDD1	3.4				SDA3		

CK6	8.3	SDD0	40	PC8	0	19	0	PC7	39	3.2 RX6
TX6	8.1, 3.1		38	PC6	0	20	0	PD15	61	4.4
	4.3		60	PD14	0	21	0	PD13	59	4.2
RTS										
3	4.1		58	PD12	0	22	0	PD11	57	CTS3
CK3			56	PD10	0	23	0	PD9	55	RX3
TX3			54	PD8	0	24	0	PB15	31	1.3 <mark>N, 8.3N, 1</mark> 2.2 MOSI2