

Connectors Clock wise starting with C1 the main Rx connector

Seq	Pin	Port	Bit	UAVXArm V3 Nano (STM32F405)	V3 Conn	UAVXArm V4 (STM32F405)	V4 Conn.
69				GND	C1.1	GND	C1.1
70				GND	C1.1	GND	C1.1
19	27	PORTB	1	RC8/K10	C1.10	RC8/K10	C1.10
57				5V	C1.2	5V	C1.2
58				5V	C1.2	5V	C1.2
1	14	PORTA	0	RC1/CPPM	C1.3	RC1/CPPM	C1.3
2	15	PORTA	1	RC2	C1.4	RC2	C1.4
3	16	PORTA	2	RC3/USART2 Tx GPS	C1.5	RC3/USART2 Tx GPS	C1.5
4	17	PORTA	3	RC4/USART2 Rx Spektrum/SBUS/GPS	C1.6	RC4/USART2 Rx Spektrum/SBUS/GPS	C1.6
7	22	PORTA	6	RC5/K7	C1.7	RC5/K7	C1.7
8	23	PORTA	7	RC6/K8	C1.8	RC6/K8	C1.8
18	26	PORTB	0	RC7/K9	C1.9	RC7/K9	C1.9
56				3.3V	C2.1	3.3V	C2.1
29	30	PORTB	11	I2C2_SDA	C2.3	I2C2_SDA/USART3 GPSTx	C2.3
28	29	PORTB	10	I2C2_CLK	C2.4	I2C2_CLK/USART3 GPSTx	C2.4
64				5V	C2.5	5V	C2.5
65				GND	C2.6	GND	C2.6
9	41	PORTA	8	K6	C3.1		
12	44	PORTA	11	K5	C3.2		
24	58	PORTB	6	K4	C3.3	K4	C3.3
25	59	PORTB	7	K3	C3.4	K3	C3.4
26	61	PORTB	8	K2	C3.5	K2	C3.5
27	62	PORTB	9	K1	C3.6	K1	C3.6
44	40	PORTC	9	Landing	C4.1	Landing	C4.1
66				GND	C4.2	GND	C4.2
67				GND	C4.3	GND	C4.3
45	51	PORTC	10	Arming	C4.4	Arming	C4.4
10	42	PORTA	9	USART1 Tx Telemetry	C5.1	USART1 Tx Telemetry	C5.1
11	43	PORTA	10	USART1 Rx Telemetry/GPS	C5.2	USART1 Rx Telemetry/GPS	C5.2
53				GND	C5.3	GND	C5.3
54				3.3V	C5.4	3.3V	C5.4
43	39	PORTC	8	GPIOAux3/Probe	C6.2	GPIOAux3	C6.2
42	38	PORTC	7	GPIOAux2/GPSTx	C6.3	K6	C3.1
6	21	PORTA	5		C6.4	GPIOAux1	C6.4
41	37	PORTC	6	GPIOAux1	C6.4	K5	C3.2
59				Beeper-	C7.1	Beeper-	C7.3
60				Beeper+	C7.2	Beeper+	C7.4
20	28	PORTB	2	Boot1	C7.4	Boot1	C7.2
62				GND	C8.2	GND	C8.2
63				3.3V	C8.3	3.3V	C8.3
5	20	PORTA	4				
13	45	PORTA	12	Beeper		Beeper	
14	46	PORTA	13				
15	49	PORTA	14				
16	50	PORTA	15			GPIOAux2	C6.3
21	55	PORTB	3	LED0 (Yellow)		LED0 (Yellow)	
22	56	PORTB	4	LED1 (Red)		LED1 (Red)	
23	57	PORTB	5				
30	33	PORTB	12			SPI2 ~MPU6000Select	
31	34	PORTB	13			SPI2 SCLK	
32	35	PORTB	14			SPI2 MISO	
33	36	PORTB	15			SPI2 MOSI	
35	8	PORTC	0	Rangefinder		Rangefinder	C2.2
36	9	PORTC	1			GPIOAux4/BattCurrent	C6.1
37	10	PORTC	2	BattVolts		BattVolts	
38	11	PORTC	3			SPI2 ~FLASHSelect	
39	24	PORTC	4			SPI2 ~HMC5983Select	
40	25	PORTC	5			SPI2 ~MS5611Select	
46	52	PORTC	11	LED3 (Blue)			
47	53	PORTC	12	LED2 (Green)			
48	2	PORTC	13				
49	3	PORTC	14				
50	4	PORTC	15				
51				GND		GND	C6.5
52				3.3V		3.3V	C7.1
55						USART1 Tx Telemetry (Inverted FrSky)Inverted	C5.5
61				Spektrum/Sbus		Spektrum	C8.1