Connectors Clock wise starting with C1 the main Rx connector

Seq Pin Port Po	Seq	Din	Port	Ri+	UAVXArm V3 Nano (STM32F405)	V3 Conn	UAVXArm V4 (STM32F405)	V4 Conn.
Top		FIII	PUIL	ыс				
SV								
1	19	27	PORTB	1	RC8/K10	C1.10	RC8/K10	C1.10
1 4 PORTA 1 RCJ/CPPM	57						5V	C1.2
15 PORTA 2 RC2 C1.4 RC2 C1.4 RC2 C1.5 16 PORTA 2 RC3/USART2 Tx GPS C1.5 C1.5 RC3/USART2 Tx GPS C1.6 17 PORTA 3 RC4/USART2 Rx Spektrum/SBUS/GPS C1.6 RC4/USART2 Rx Spektrum/SBUS/GPS C1.6 RC5/R7 C1.7 RC5/R7 RC5/								
16 PORTA 3 RGJUSARTZ TX GPS								
17 PORTA 3 RC4/USARTZ Rx Spektrum/SBUS/GPS C1.6 RC5/R7 C1.7 18 23 PORTA 6 RC5/R7 C1.7 RC5/R7 C1.7 18 26 PORTB O RC7/R9 C1.9 SC7/R9 C1.9 23 PORTB T1 IZC JOA C2.1 C2.3 RC7/R9 C1.9 24 PORTB T1 IZC JOA C2.5 RC7/R9 C2.4 25 PORTB T1 IZC JOA C2.5 RC7/R9 C2.4 26 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 27 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 28 PORTB T1 IZC JOA C2.5 RC7/R9 C2.4 29 PORTB T1 IZC JOA C2.5 RC7/R9 C2.4 20 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 20 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 24 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 24 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 25 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 26 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 26 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 27 RC5/R7 C2.4 RC5/R7 C2.4 RC5/R7 C2.4 26 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 27 RC5/R7 C2.4 RC5/R7 C2.4 RC5/R7 C2.4 28 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 29 PORTB T2 RC5/R7 C2.4 RC5/R7 C2.4 20 PORTB T2 RC5/R7 RC5/								
7 22 PORTA 6 RCS/K7 C.1.7 RCS/K7 C.1.7 RCS/K7 C.1.8 B 23 PORTA 7 RCS/K8 C.1.8					,			
8 23 PORTA 7 RCG/KB								
18 26 PORTB 0 RC7/K9 C1.9 RC7/K9 C2.1 3.3V C2.1 3.3V C2.1 3.3V C2.1 3.3V C2.3 C2.3 C2.5 C2.5 C3.3 C2.5 C3.4 C2.4 C3.5 C3								
Section								
29 30 PORTS 11 2C2 CIK C2.4 C2.3 12C2 SDAUSART3 GPSTX C2.4 C2.4 C2.4 C2.5 CMD C2.5 CMD C2.5 GMD C2.6 G	56							
SV	29	30	PORTB	11		C2.3	I2C2_SDA/USART3 GPSRx	
SAPE	28	29	PORTB	10	I2C2_CLK	C2.4	I2C2_CLK/USART3 GPSTx	C2.4
9 41 PORTA 11 K5 C3.2 24 58 PORTB 6 K4 C3.3 K4 C3.3 26 61 PORTB 7 K3 C3.4 K3 C3.4 K3 C3.4 26 61 PORTB 8 K2 C3.5 K2 C3.5 27 62 PORTB 9 K1 C3.6 66 C C3.1 44 40 PORTC 19 Landing C4.1 Landing C4.1 45 51 PORTC 10 GND C4.2 67 C1 PORTB 9 LANDING C4.3 68 DORTB 7 K3 C3.4 K3 68 DORTB 7 K3 C3.4 K3 68 DORTB 7 K3 68 DORTB 1 K4 68 DORTB	64				5V	C2.5	5V	C2.5
12 44 PORTA 11 K5 C3.2							GND	C2.6
24								
25 59 PORTB 8 K2 C C3.5 K2 C3.							***	00.0
26 61 PORTB 8 K1								
27 62 PORTB 9 K1								
44 40 PORTC 9 CA1 CA2 CA3 CA4 CA5								
CAL								
CA CA CA CA CA CA CA CA				_	3			
45								
11	45	51	PORTC	10				C4.4
GND	10	42	PORTA	9	USART1 Tx Telemetry	C5.1	USART1 Tx Telemetry	C5.1
SA		43	PORTA	10				
42 38 PORTC 8 GPIOAux3/Probe G.2 SPIOAux3 G.2 42 38 PORTC 7 GPIOAux2/GPSTX G.3 R.5 GPIOAux1 G.4 41 37 PORTC 6 GPIOAux1 G.6 R.5 G.3 59								
42 38 PORTC 7 GPIOAux2/GPSTx C6.3 K6 C3.1 6 21 PORTA 5 GPIOAux1 C6.4 KF9 C3.2 59 FORTC 6 GPIOAUX1 C6.4 KF9 C7.2 60 FORTA 6 GPIOAUX1 C6.4 KF9 C7.3 60 FORTA 6 GRID		20	DODTO	•				
Column								
41 37 PORTC 6 GPIOAUX1 C6.4 KS C7.3 Seeper					GPIOAUX2/GPS1X			
September C7.1 Beeper C7.2 Beeper C7.4					GPIOAUX1			
C7.4		37	TORTE	U				
20 28 PORTB 2 Boot1 C7.4 Boot1 C7.2 GND C8.2 GND C8.3 3.3V C8.3 3.								
GSU GND C8.2 G3 3.3V C8.3 S 20 PORTA 4 13 45 PORTA 12 Beeper Beeper 14 46 PORTA 13 15 49 PORTA 14 16 50 PORTA 15 17 55 PORTB 3 18 12 ED0 (Yellow) 18 13 34 PORTB 13 18 34 PORTB 13 18 34 PORTB 13 18 34 PORTB 14 18 33 36 PORTB 15 30 33 PORTB 15 31 34 PORTC 15 31 34 PORTC 1 32 35 PORTC 1 33 10 PORTC 2 36 9 PORTC 1 37 10 PORTC 2 38 11 PORTC 3 39 24 PORTC 2 38 11 PORTC 3 39 24 PORTC 4 40 25 PORTC 5 46 52 PORTC 1 47 53 PORTC 12 48 2 PORTC 12 48 2 PORTC 12 48 2 PORTC 14 50 4 PORTC 15 51 GND GND 51 GND 52 GND 53 GND 54 GND 55 GND 55 GND 56 GND 57 GND 58 GND 59 GND 50 GND		28	PORTB	2				
S 20	62				GND	C8.2	GND	C8.2
13	63				3.3V	C8.3	3.3V	C8.3
14								
15					Beeper		Beeper	
C6.3								
LEDO (Yellow) LED1 (Red) LED1 (Red) (Red) (Red) (Red)							CDIOA2	CC 2
22 56 PORTB 4					LED0 (Vallow)			C6.3
23 57 PORTB 5 30 33 PORTB 12 31 34 PORTB 13 32 35 PORTB 14 33 36 PORTB 15 35 8 PORTC 0 36 9 PORTC 1 37 10 PORTC 2 38 11 PORTC 3 39 24 PORTC 4 40 25 PORTC 5 46 52 PORTC 15 47 53 PORTC 12 48 2 PORTC 13 49 3 PORTC 14 50 4 PORTC 15 51 GND 52 GND 53 GND 53 GND 55 GND 56 GND 57 GRID GND 58 SPI2 ~MPU6000Select SPI2 ~MPU6000Select SPI2 CK SPI2 MISO SPI2 MISO SPI2 MOSI Rangefinder CC2.2 GPIOAux4/BattCurrent SPI2 ~FLASHSelect SPI2 ~FLASHSelect SPI2 ~MS5611Select GND 3.3V C6.5 3.3V C7.1 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5								
SPI2 ~MPU6000Select					LEDI (Red)		LEDI (Ned)	
31							SPI2 ~MPU6000Select	
33	31	34						
Rangefinder C2.2	32	35	PORTB	14			SPI2 MISO	
36 9 PORTC 1 37 10 PORTC 2 38 11 PORTC 3 39 24 PORTC 4 40 25 PORTC 5 46 52 PORTC 11 47 53 PORTC 12 48 2 PORTC 13 49 3 PORTC 13 49 3 PORTC 14 50 4 PORTC 15 51 GND GND 52 GND 53 GND 55 3 33V GRID Aux4/BattCurrent BattVolts SPI2 ~FLASHSelect SPI2 ~MS5611Select GRID GRID GRID GRID GRID GRID GRID GRID GRID						_	SPI2 MOSI	
37 10 PORTC 2 BattVolts 38 11 PORTC 3 39 24 PORTC 4 40 25 PORTC 5 46 52 PORTC 12 47 53 PORTC 12 48 2 PORTC 13 49 3 PORTC 14 50 4 PORTC 15 51 GND 52 GND 53 33V GND 53 GND 55 3 33V GND 56 GND 57 GND 58 GND 59 GND 50 GND 50 GND 50 GND 51 GND 52 GND 53 GND 55 GND 56 GND 57 GND 58 GND 58 GND 59 GND 50 GND 50 GND 50 GND 51 GND 52 GND 53 GND 55 GND 56 GND 57 GND 58 GND 59 GND 59 GND 50 GND 50 GND 51 GND 52 GND 53 GND 54 GND 55 GND 55 GND 56 GND 57 GND 58 GND 58 GND 59 GND 50 GND 50 GND 50 GND 50 GND 51 GND 52 GND 53 GND 55 GND 56 GND 57 GND 58 GND 59 GND 50 GND 50 GND 50 GND 50 GND 51 GND 52 GND 53 GND 54 GND 55 GND 55 GND 56 GND 57 GND 58 GN					Rangefinder			
38					5 (0) (1)	_		C6.1
39					BattVolts			
40								
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 52 3.3V GND 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5								
47 53 PORTC 12 LED2 (Green) 48 2 PORTC 13 49 3 PORTC 14 50 4 PORTC 15 51 GND GND GND C6.5 52 3.3V G7.1 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5					LED3 (Blue)		JI 12 PISSULLSCIECC	
48								
49 3 PORTC 14 50 4 PORTC 15 51 GND GND GND C6.5 52 3.3V C7.1 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5					(0.00)			
50 4 PORTC 15 51 GND GND C6.5 52 3.3V C7.1 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5								
51 GND GND C6.5 52 3.3V C7.1 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5								
52 3.3V C7.1 55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5					GND		GND	C6.5
55 USART1 Tx Telemetry (Inverted FrSky)Inverted C5.5								
61 Spektrum/Sbus Spektrum C8.1	55							
	61				Spektrum/Sbus		Spektrum	C8.1