

INAV Mapping				
UART				
USB			USB	
TX1 RX1	PA9/PA10	5 V tolerant I/O	UART 1	VTX
TX2 RX2	PD5/PD6	5 V tolerant I/O	UART 2	Receiver
TX3 RX3	PD8/PD9	5 V tolerant I/O	UART 3	GPS
TX4 RX4	PB9/PB8	5 V tolerant I/O	UART 4	GPS
TX6 RX6	PC6/PC7	5 V tolerant I/O	UART 6	GPS
TX7 RX7	PE8/PE7	5 V tolerant I/O	UART 7	GPS
TX8 RX8	PE1/PE0	6 V tolerant I/O	UART 8	ESC Telemetry

Ardupilot Mapping				
UART				
USB			USB	
TX1 RX1	PA9/PA10	5 V tolerant I/O	UART 1	VTX
TX2 RX2	PD5/PD6	5 V tolerant I/O	UART 2	Receiver
TX3 RX3	PD8/PD9	5 V tolerant I/O	UART 3	GPS
TX4 RX4	PB9/PB8	5 V tolerant I/O	UART 4	GPS
TX6 RX6	PC6/PC7	5 V tolerant I/O	UART 6	GPS
TX7 RX7	PE8/PE7	5 V tolerant I/O	UART 7	GPS
TX8 RX8	PE1/PE0	6 V tolerant I/O	UART 8	ESC Telemetry

PWM				
S1	PB0	5 V tolerant I/O	TIM3-CH3	Motor
S2	PB1	5 V tolerant I/O	TIM3-CH4	Motor
S3	PA0	5 V tolerant I/O	TIM5-CH1	Motor
S4	PA1	5 V tolerant I/O	TIM5-CH2	Motor
S5	PA2	5 V tolerant I/O	TIM5-CH3	Motor
S6	PA3	5 V tolerant I/O	TIM5-CH4	Motor
S7	PD12	5 V tolerant I/O	TIM4-CH1	Motor
S8	PD13	5 V tolerant I/O	TIM4-CH2	Motor
S9	PD14	5 V tolerant I/O	TIM4-CH3	Servo
S10	PD15	5 V tolerant I/O	TIM4-CH4	Servo
S11	PE5	5 V tolerant I/O	TIM15-CH1	Servo
S12	PE6	5 V tolerant I/O	TIM15-CH2	Servo
LED	PA8	5 V tolerant I/O	TIM1-CH1	WS2812LED

PWM				
S1	PB0	5 V tolerant I/O	TIM3-CH3	Motor
S2	PB1	5 V tolerant I/O	TIM3-CH4	Motor
S3	PA0	5 V tolerant I/O	TIM5-CH1	Motor
S4	PA1	5 V tolerant I/O	TIM5-CH2	Motor
S5	PA2	5 V tolerant I/O	TIM5-CH3	Motor
S6	PA3	5 V tolerant I/O	TIM5-CH4	Motor
S7	PD12	5 V tolerant I/O	TIM4-CH1	Motor
S8	PD13	5 V tolerant I/O	TIM4-CH2	Motor
S9	PD14	5 V tolerant I/O	TIM4-CH3	Servo
S10	PD15	5 V tolerant I/O	TIM4-CH4	Servo
S11	PE5	5 V tolerant I/O	TIM15-CH1	Servo
S12	PE6	5 V tolerant I/O	TIM15-CH2	Servo
LED	PA8	5 V tolerant I/O	TIM1-CH1	WS2812LED

I2C2	SCL/SDA	PB6/PB7	5 V tolerant I/O	Digital Airspeed sensor	MS4525
				Compass	QMC5883 /HMC588
					MAG3110 / LIS3MDL
					OLED 0.96"
I2C4	SCL/SDA	PB10/PB11	5 V tolerant I/O	onboard Barometer	DPS310

C2	SCL/SDA	PB6/PB7	5 V tolerant I/O	Digital Airspeed sensor	MS4525
				Compass	QMC5883 /HMC588
					MAG3110 /LIS3MDL
					OLED 0.96"
I2C4	SCL/SDA	PB10/PB11	5 V tolerant I/O	onboard Barometer	DPS310

ADC			
Vbat pad	1K:20K divider builtin	Battery voltage	0-36V
Curr Pad		Current sense	0-3.3V
AirS Pad	NONE	Analog Airspeed	0-6.6V

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Curr Pad		Current sense	0-3.3V
AirS Pad	NONE	Analog Airspeed	0-6.6V