Pinout Rover

PrimaryBoard

Componente	Pinout					
	ECHO				*TRIGGER*	
HC-SR04	TIM2_CH1 -> PA0				PC0	
HC-SR04	TIM5_CH2 -> PA1				PC1	
HC-SR04	TIM3_CH2 -> PC7				PB0	
	DAT		*CMD*		*ATT*	*CLK*
ps2x	SPI1_MISO -> PA6		SPI1_MOSI -> PA7		PB10	SPI1_SCK -> PA5
	S1 (RX)				*S2*	
sabertooth 2x12 *(anteriore)*	USART1_TX -> PB6				PB8 *(Relay)*	
sabertooth 2x12 *(posteriore)*	USART1_TX -> PB6				PB8 *(Relay)*	
	SDA			*SCL*		
MPU6050	I2C3_SDA -> PB4			I2C3_SCL -> PA8		
	TX	*RX*	*ACK_IN*	*RTR_IN*	*ACK_OUT*	*RTR_OUT*
Board_2	USART6_TX -> PC6	USART6_RX -> PA12	PA10	PB9	PB5	PA4
	S					
Relay - *turn off SecondaryBoard*	PC3					

SecondaryBoard

Componente	Pinout					
	S2					
sabertooth 2x12 *(anteriore)*	PB10 *(Relay)*					
sabertooth 2x12 *(posteriore)*	PB10 *(Relay)*					
	COMMAND PIN					
Led 1 (*sx)*	PC1					
Led 2 (*dx)*	PC0					
	COMMAND PIN					
Active buzzer	PB0					
	A				*B*	
Motor 1	TIM1_CH1 -> PA8				TIM1_CH2 -> PA9	
Motor 2	TIM2_CH1 -> PA5				TIM2_CH2 -> PB3	
Motor 3	TIM3_CH1 -> PA6				TIM3_CH2 -> PA7	
Motor 4	TIM5_CH1 -> PA0				TIM5_CH1 -> PA1	
	TX	*RX*	*ACK_IN*	*RTR_IN*	*ACK_OUT*	*RTR_OUT*
PrimaryBoard	USART2_TX -> PA2	USART2_RX -> PA3	PB4	PB8	PB5	PB9