PIN FUNCTIONS

SPI	UART	ADC	F405 pin#	PIN NAME		PIN NAME	F405 pin#	ADC	UART	SPI
SPI2_NSS			33	PB12		NC				
SPI2_SCK			34	PB13		GND				
SPI2_MISO			35	PB14		3.3v				
SPI2_MOSI			36	PB15		PB3	55			SPI3_SCK
			41	PA8		PA6	22	ADC		SPI1_MISO
			42	PA9		PB1	27	ADC		
			43	PA10		PA2	16	ADC		
			44	PA11		PA7	23	ADC		SPI1_MOSI
			45	PA12		PA1	15	ADC	UART4_RX	
			59	PB7		PA0	14	ADC	UART4_TX	
			58	PB6		PC2	10	ADC		SPI2_MISO
SPI1_MOSI			57	PB5		PC1	9	ADC		
SPI3_MISO			56	PB4		PC0	8	ADC		
SPI2_SCK			29	PB10		PC3	11	ADC		SPI2_MOSI
			30	PB11		PA4	20	ADC		SPI1_NSS
			61	PB8		NRST	7	ADC		
SPI2_NSS			62	PB9		PC6	37			
				5v		PC7	38			
				GND		PC8	39			
				3.3v		NC				

PC9	Blue LED
PC12	Green LED
3,3v	Red LED
PB9	CAN1_TX
PB8	CAN1_RX

PIN TO MP2 MAPPING

MP2 Net name	PIN NAME		PIN NAME	MP2 Net name
A_OVERLIMIT	PB12		NC	NC
LIN_A	PB13		GND	GND
LIB_B	PB14		3.3v	NC
LIB_C	PB15		PB3	PB10 D_GPIO
HIN_A	PA8		PA6	PB2 D_GPIO
HIN_B	PA9		PB1	JP3
HIN_C	PA10		PA2	A_PHC_VSENSE
DUSB_DM	PA11		PA7	JP2
DUSB_DP	PA12		PA1	A_PHB_VSENSE
TIM2 CH1	PB7		PA0	A_PHA_VSENSE
TIM2 CH2	PB6		PC2	A_SHC_AMP
TIM3 CH1	PB5		PC1	A_SHB_AMP
TIM3 CH2	PB4		PC0	A_SHA_AMP
D_UART1_TX I2C1_SCL TIM4_CH1	PB10		PC3	VSENSE
D_UART1_RX I2C1_SDA TIM4_CH2	PB11		PA4	A_THROTTLE
DI2C1_SCL TIM4_CH3	PB8		NRST	JP3
DI2C1_SDA TIM4_CH4	PB9		PC6	HALL_C
V5V	5v		PC7	HALL_B
GND	GND		PC8	HALL_A
V3V3	3.3v		NC	NC