Blimpy Function	Function	Pir	n #	Function	Blimpy Function	Alternate Function
3VDC to IMU	3V DC Power	1	2	5V DC Power	TFMINI S POWER	Additional wire to Vin Ultrasonic Sensor
I2C SDA to IMU	GPIO2 (I2C SDA)	3	4	5V DC Power	PWR IN FROM DC to DC Converter	
I2C SCL to IMU			6	Ground	GROUND FROM DC to DC Converter	
	GPIO4 (GPCLKO)	7	8	GPIO14 (TXD)	UART TX (to TF MINI RX)	
GND to IMU					UART RX (to TF MINI TX)	
	GPIO17	11	12	GPIO18 (PCM_CLK)		
	GPIO27	13	14	Ground	TFMINI S Ground	
Door Servo Signal					Ultrasonic TRIG	
Door Servo Power	3V DC Power	17	18	GPIO24	Ultrasonic ECHO	
	GPIO10 (SPI MOSI)	19	20	Ground		
	GPIO11 (SCLK)	23	24	GPIO8 (CEO)		
Door Servo GND	Ground	25	26	GPIO7 (CE1)	Thrust Motor	
	GPIO0 (ID_SD)	27	28	GPIO1 (ID_SC)		
	GPIO5	29	30	Ground		
	GPIO6	31	32	GPIO 12 (PWM0)	Altitude Front Motor	
	GPIO13 (PWM1)	33	34	Ground		
	GPIO19 (PCM_FS)	35	36	GPIO16	Altitude Rear Motor	
					Steer Motor	
	Ground	39	40	GPIO21 (PCM_DOUT)	Steer Servo	
	3VDC to IMU I2C SDA to IMU I2C SCL to IMU GND to IMU Door Servo Signal Door Servo Power	3VDC to IMU 3V DC Power I2C SDA to IMU GPIO2 (I2C SDA) I2C SCL to IMU GPIO3 (I2C SCL) GPIO4 (GPCLKO) GND to IMU GPIO3 GPIO17 GPIO27 Door Servo Signal GPIO22 Door Servo Power 3V DC Power GPIO10 (SPI MOSI) GPIO9 (SPI MISO) GPIO1 (SCLK) GPIO0 (ID_SD) GPIO5 GPIO6 GPIO13 (PWM1) GPIO19 (PCM_FS) GPIO26	3VDC to IMU 3V DC Power 1 I2C SDA to IMU GPIO2 (I2C SDA) 3 I2C SCL to IMU GPIO3 (I2C SCL) 5 GPIO4 (GPCLKO) 7 GND to IMU Ground 9 GPIO17 11 GPIO27 13 Door Servo Signal GPIO22 15 Door Servo Power 3V DC Power 17 GPIO10 (SPI MOSI) 19 GPIO9 (SPI MISO) 21 GPIO11 (SCLK) 23 Door Servo GND GPIO0 (ID_SD) 27 GPIO13 (PWM1) 33 GPIO13 (PWM1) 33 GPIO19 (PCM_FS) 35 GPIO26 37	3VDC to IMU 3V DC Power 1 2 I2C SDA to IMU GPIO2 (I2C SDA) 3 4 I2C SCL to IMU GPIO3 (I2C SCL) 5 6 GPIO4 (GPCLKO) 7 8 GPIO4 (GPCLKO) 7 8 GPIO27 11 12 GPIO27 13 14 Door Servo Signal GPIO22 15 16 Door Servo Power 3V DC Power 17 18 GPIO10 (SPI MOSI) 19 20 GPIO1 (SPI MISO) 21 22 GPIO11 (SCLK) 23 24 GPIO28 GPIO39 (ID_SD) 27 28 GPIO5 29 30 GPIO6 31 32 GPIO19 (PCM_FS) 35 36 GPIO26 37 38	3VDC to IMU 3V DC Power 1 2 5V DC Power 12C SDA to IMU GPIO2 (I2C SDA) 3 4 5V DC Power 12C SCL to IMU GPIO3 (I2C SCL) 5 6 Ground GPIO4 (GPCLKO) 7 8 GPIO14 (TXD) GPIO15 (RXD) GPIO17 11 12 GPIO18 (PCM_CLK) GPIO27 13 14 Ground Door Servo Signal GPIO22 15 16 GPIO23 Door Servo Power 3V DC Power 17 18 GPIO24 GPIO16 (SPI MOSI) 19 20 Ground GPIO9 (SPI MISO) 21 22 GPIO25 GPIO11 (SCLK) 23 24 GPIO8 (CEO) GPIO11 (SCLK) 23 24 GPIO8 (CEO) GPIO11 (SCLK) 23 24 GPIO8 (CEO) GPIO0 (ID_SD) 27 28 GPIO1 (ID_SC) GPIO13 (PWM1) 33 34 Ground GPIO19 (PCM_FS) 35 36 GPIO16 GPIO16 GPIO19 (PCM_FS) 35 36 GPIO16 GPIO16 GPIO26 37 38 GPIO20 (PCM_DIN)	3VDC to IMU

CAMERA CONNECTOR