Alternate Function	Blimpy Function	Function	Pin #		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	GPIO3 (I2C SCL)	5	6	Ground	GROUND FROM DC to DC Converter	
		GPIO4 (GPCLK0)	7	8	GPIO14 (TXD)	UART TX (to TF MINI RX)	
	GND to IMU	Ground	9	10	GPIO15 (RXD)	UART RX (to TF MINI TX)	
		GPIO17	11	12	GPIO18 (PCM_CLK)		
		GPIO27	13	14	Ground	TFMINI S Ground	
	Door Servo Signal	GPIO22	15	16	GPIO23	Ultrasonic TRIG	
	Door Servo Power	3V DC Power	17	18	GPIO24	Ultrasonic ECHO	
		GPIO10 (SPI MOSI)	19	20	Ground		
		GPIO9 (SPI MISO)	21	22	GPIO25		
		GPIO11 (SCLK)	23	24	GPIO8 (CE0)		
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	
		GPIO26	37	38	GPIO20 (PCM_DIN)	Steer Motor	
		Ground	39	40	GPIO21 (PCM_DOUT)	Steer Servo	

CAMERA CONNECTOR