PCB Connector Pinouts			
CONNECTOR	**PIN #**	**DESCRIPTION**	**COMMENTS**
J1	1	+12V	Max 2A, with 2.5A fuse protection
	2	GND	
J2	1	+5V	Max 1A, with 1.5A fuse protection
	2	GND	
J3	1	+3V3	Max 0.5A, with 1.5A fuse protection
	2	GND	
J4	1	+12V	12VDC adaptor output (can use 9-12V source), J4 is connected to switch S1 to turn power on/off
	2	GND	
J5	1	+5V	12V-to-5V regulator output, 3A output load current
	2	GND	
J6	1	+3V3	5V-to-3V3 regulator output, 1A output load current
	2	GND	
J7	1	GPIO 12	PWM0
	2	GND	
J8	1	GPIO 13	PWM1
	2	GND	
J9	1	GPIO 26	General purpose I/O
	2	GND	
J10	1	+12V	Positive power terminal
	2	GND	Negative power terminal
J12	1	GND	
	2	+3V3	5V-to-3V3 regulator output
	3	GPIO 2	SDA
	4	GPIO 3	SCL
J13	1	Reset	J13 is connected to switch S2: press S2 to reset Raspberry Pi
	2		
J14	1	GPIO 2	SDA, do not use simultaneously with J12
	2	GPIO 3	SCL, do not use simultaneously with J12
	3	GPIO 17	spi1 CS1
	4	GND	
	5	GPIO 10	MOSI
	6	GPIO 9	MISO
	7	GPIO 11	SCLK
	8	GND	
	9	GPIO 19	PWM1, miso1
	10	GND	
J15	1	GPIO 14	TXD
	2	GPIO 15	RXD
	3	GPIO 18	PWM0, spi1 CS0
	4	GND	
	5	GPIO 8	SPI CS0
	6	GPIO 7	SPI CS1
	7	GPIO 16	spi1 CS2
	8	GPIO 20	mosi1
	9	GPIO 21	sclk1
	10	GND	
J16	1	+5V from Pi	Must remove jumper to connector J16 when Raspberry Pi is connected to USB
	2	+5V from regulator	
J11	1-40	40-pin GPIO (same pinouts as Raspberry Pi)	Raspberry Pi mounts to connector J11
P1			Raspberry Pi breakouts, do not use simultaneously with J7, J8, J9, J12, J14, J15

Note: LED1, LED2, and LED3 indicate 12V, 5V, and 3.3V, respectively.