

JP6 24 Pin Connections		
Pin	Port	Connection
1		
2	PU7	BAD PIN!!!
3	PU6	Front Left Bump Sensor
4	PT0	Front Right Bump
5	PT1 - T0CH5	IR Detect Left
6	PT2 - T0CH6	IR Detect Right
7	PT3	
8	PT4	Left Motor Encoder A
9	PT5	
10	PT6	Right Motor Encoder A
11	PE0	
12		
13		
14	PE1	
15	PT7	Right Motor Encoder B
16	PE7	
17	PU0	Left Motor PWM
18	PU1	Left Motor Dir
19	PU2	Right Motor PWM
20	PU3	Right Motor Dir
21	PU4	Back Right Bump Sensor
22	PU5	Back Left Bump Sensor
23	GND	
24		
JP5 20 Pin Connections		
Pin	Port	Connection
1	GND	
2	PS2	
3	PS3	
4	PP2	
5	PP0	LED logic
6	PAD0	Internal Bump Sensor 1
7	PAD1	Internal Bump Sensor 2
8	PAD2	Internal Bump Sensor 3
9	PAD3	
10	GND	
11	GND	
12	PAD7	
13	PAD6	
14	PAD5	DC motor (hopper) H Bridge pin 7
15	PAD4	DC motor (hopper) H Bridge pin 2
16	PP1	LED logic
17	PP3	
18	PP4	
19	PP5	
20	GND	
JP2 5 Pin Connections		
Pin	Port	Connection
1	PS4	MISO
2	PS5	MOSI
3	GND	
4	PS6	SCK
5	PS7	SS