

Primary	
Pin	Connection
GPIO0	
GPIO1	
GPIO2	
GPIO3	
GPIO4	
GPIO5	
GPIO6	
GPIO7	
GPIO8	
GPIO9	
GPIO10	
GPIO11	
GPIO12	
GPIO13	Weapon belt sensor
GPIO14	Weapon drum sensor
GPIO15	Weapon drum motor
GPIO16	Serial2 (->Secondary GPIO17)
GPIO17	Serial2 (->Secondary GPIO16)
GPIO18	Cooling fans control
GPIO19	Headlight LED control
GPIO20	
GPIO21	Weapon belt motor
GPIO22	Speed sense right
GPIO23	RGB LED strip data
GPIO24	
GPIO25	Track motor right Dir
GPIO26	Track motor right PWM
GPIO27	Weapon motor left&right
GPIO28	
GPIO29	
GPIO30	
GPIO31	
GPIO32	Track motor left Dir
GPIO33	Track motor left PWM
GPIO34	Speed sense left
GPIO35	Voltage sense (100kOhm/22kOhm)
GPIO36 (SP)	
GPIO37	
GPIO38	
GPIO39 (SN)	

Secondary	
Pin	Connection
GPIO0	
GPIO1	
GPIO2	
GPIO3	
GPIO4	Actuator motor right back 2
GPIO5	
GPIO6	
GPIO7	
GPIO8	
GPIO9	
GPIO10	
GPIO11	
GPIO12	
GPIO13	
GPIO14	Actuator motor right front 2
GPIO15	Actuator motor right front 1
GPIO16	Serial2 (->Primary GPIO17)
GPIO17	Serial2 (->Primary GPIO16)
GPIO18	Actuator motor left front 1
GPIO19	Actuator motor left front 2
GPIO20	
GPIO21	MPU6050 SDA
GPIO22	MPU6050 SCL
GPIO23	Actuator motor right back 1
GPIO24	
GPIO25	Actuator motor left back 2
GPIO26	Actuator motor left back 1
GPIO27	
GPIO28	
GPIO29	
GPIO30	
GPIO31	
GPIO32	Poti right front (height sense)
GPIO33	Poti right back (height sense)
GPIO34	Poti left front (height sense)
GPIO35	Poti left back (height sense)
GPIO36 (SP)	
GPIO37	
GPIO38	
GPIO39 (SN)	