Mitsubishi EVO3 / MIVEC 4G63T

1					**26 PIN**							13
INJ1	INJ3	RFAN/LC1	SERVO1	SERVO4	SAS/LC2	IG4	FP	AWL	IG1	FAN REL	12V	GRND
INJ2	INJ4	FAN	SERVO3	SERVO6	INP3	INP4	INP2	ACC/FAN2	IG2	IG3	12V	GRND
14												26

Legend:

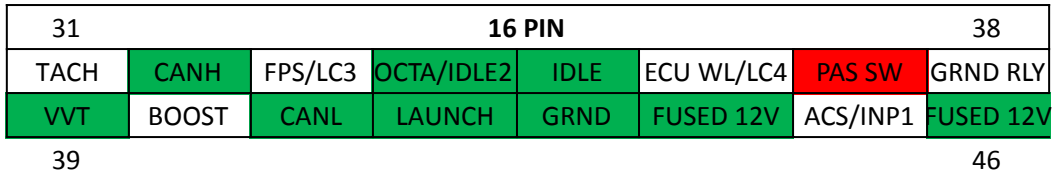
Green	Added from PnPduino
Red	Not used by PnPduino
White	Stock and used by PnPduino

De-pin all wires added by PnPduino which is not used by Stock ECU

PnPduino uses OnBoard MAP Sensor
PIN33 is Fuel Pressure Solenoid
AC Compressor uses FAN2 LC output
AC Request uses INP1 A8
Low Current Programmable Outputs: LC1, LC2, LC3, LC4, FAN, FAN2
High Current Programmable Outputs with PWM: VVT, IDLE, IDLE2
CANL and CANH only for STM32 Processor

ECU Pin	OEM ECU Description	PnPduino Description	Tunerstudio Arduino Pin	Remarks
1	Injector 1	Injector 1	8	Wired in Firing order 1-3-4-2
2	Injector 3	Injector 2	7	Wired in Firing order 1-3-4-2
3	Radiator Fan	Low Current 1	26	Spare Low Current 1
4	Idle Servo 1	Stepper A1		Stepper Idle Control A
5	Idle Servo 4	Stepper B1		Stepper Idle Control B
6	Sec Air Sol	Low Current 2	27	Spare Low Current 2
7		Ignition 4	34	Wire this to COP2 for sequential COP
8	Fuel Pump Relay	Fuel Pump	23	Fuel Pump
9	Alarm Warning Light			Not used
10	IGN Amplifier A	Ignition 1	35	Ignition 1 in Wasted Spark

11	Fan Relay			Not used
12	12V SW Supply	12V		12V Supply from Main Relay
13	Ground	Ground		Power Ground (Not Chassis)
14	Injector 2	Injector 4	5	Wired in Firing order 1-3-4-2
15	Injector 4	Injector 3	6	Wired in Firing order 1-3-4-2
16	Radiator Fan	Fan	24	Radiator Fan Output
17	Idle Servo 3	Stepper A2		Stepper Idle Control A
18	Idle Servo 6	Stepper B2		Stepper Idle Control B
19	Air Flow Reset	Input 3	A10	Spare Analog Input 3
20		Input 4	A11	Spare Analog Input 4
21		Input 2	A9	Spare Analog Input 2
22	AC Comp Relay	Fan2	25	Spare Low Current Fan2
23	IGN Amplifier B	Ignition 2	36	Ignition 2 in Wasted Spark
24	Rear Screen On	Ignition 3	33	Wire this to COP4 for sequential COP
25	12V SW Supply	12V		12V Supply from Main Relay
26	Ground	Ground		Power Ground (Not Chassis)



ECU Pin	OEM ECU Description	PnPduino Description	unerstudio Arduino Pin #	Remarks
31	Tacho	Tacho Out	22	Tachometer Output 12V
32		CANH		CAN Hi
33	Fuel Press Sol	Low Current 3	28	Spare Low Current 3
34	Octane Adjust	Idle 2	10	IDLE2 or Spare Hi Current Output
35		Idle 1	9	IDLE1 or Spare Hi Current Output
36	ECU Warning Light	Low Current 4	29	Spare Low Current 4
37	PAS Switch			Not used
38	ECU Relay			ECU to activate Main Relay by IG SW
39		VVT	11	VVT or Spare Hi Current Output
40	Waste Gate Sol	Boost	12	Boost Solenoid
41		CANL		CAN Lo
42	Diagnostics	Clutch Switch	37	Clutch/Launch Switch
43	Diagnostics	Sensor Ground		Sensor Ground
44		12V Fused Supply		12V Fused Supply to Sensors
45	AC Switch	Input 1	A8	Spare Analog Input 1
46		12V Fused Supply		12V Fused Supply to Sensors

51					**22 PIN**					61
STA	IAT	FLEX	INP5	INP6	O2	EXH TEMP	KNOCK	INP7	V BACKUP	5V
IGN SW	CLT	TPS	BARO	VSS	IDLE SW	VR2	VR1	EXT MAP	GRND	SGRND
62										72

51	Start			Not used
52	Air Temp	Intake Air Temp	A5	Intake Air Temperature
53		Flex Sensor	22	Ethanol Flex Sensor
54	Exhaust Temp+	Input 5	A6	Spare Analog Input 5
55		Input 6	A12	Spare Analog Input 6
56	Lambda	O2	A1	O2 from Wideband
57	Exhaust Temp-			Not used
58	Knock Sensor	Knock Sensor	21	Knock Sensor or Digital Hall Input
59		Input 7	A13	Spare Analog Input 7
60	Backup Supply			Not used
61	Vref 5V	5V output		5V output from ECU
62	IGN Switch Supply	12V Ignition Switch		IG Switch to activate Main Relay
63	Water Temp	Coolant Temp	A4	Engine Coolant Temperature
64	TPS	Throttle Position Sensor	A3	Throttle Position Sensor
65	Baro Press			Not used
66	Road Speed	Vehicle Speed Sensor	20	Vehicle Speed Sensor
67	Idle Switch			
68	Cam Sensor	VR2+	18	Hall Sensor 2 Input
69	Crank Sensor	VR1+	19	Hall Sensor 1 Input
70	Air Flow Sensor	MAP Sensor	A0	MAP sensor input
71	Ground			Ground
72	Sensor Ground			Sensor Ground