

# ecuGN Additional Inputs and Outputs

## Extra INPUTS

Inputs at ECU Header	ECU Pin #	Name in software	Note
Analog In 2 (0-5v sensor input)	A4	Analog In 2	
Digital Switched in 3 (on/off input, ground to activate)	A9	Digital Switched in 3	terminal B at the ALDL plug, do not connect 12v
Digital Frequency In 1 (was MAF, frequency input for flex)	B6	Digital Frequency In 1	
Analog In 3 (0-5v sensor input)	B11	Analog In 3	same as pin 21 at the green 22pin connector
O2 In, extra (0-5v, was stock O2)	D7	O2 In	Can be used as an extra 0-5v input
Analog In 1 (0-5v sensor input)	D9	Analog In 1	
Inputs at side terminal strip	Side terminal strip pin #	Name in software	
CAN ADC01 (0-5v sensor input)	1	CAN ADC01	
CAN ADC02 (0-5v sensor input)	2	CAN ADC02	
CAN ADC03 (0-5v sensor input)	3	CAN ADC03	
CAN ADC04 (0-5v, optional temp)	4	CAN ADC04	has optional jumper pullup resistor for temp
CAN ADC05 (0-5v sensor input)	5	CAN ADC05	
Exp Discrete IN 1 (on/off input, ground to activate)	6		Needs special setup
Inputs at the green 22-pin	Green pin #	Name in software	
CAN ADC06 (0-5v sensor input)	17	CAN ADC06	
Digital Switched in 2 (on/off input, ground to activate)	18	Digital Switched In 2	grounding input, do not connect 12v
VSS +/-	7,8	Digital Frequency In 2	If connecting external VSS instead of stock
Aux VSS +/-	9,10	Digital Frequency In 3	Secondary VSS for traction control
Analog In 3 (0-5v sensor input)	21	Analog In 3	same as pin B11 at the ECU header

## Extra OUTPUTS - all are grounding ouputs

**Do not connect a transbrake solenoid directly to any output, it must be connected through a relay**

Outputs at the ECU Header	ECU Header	Name in software	
INJ J (was cannister purge under hood)	A3	Injector Out J	
High Current 3	C9	High Current Out 3	also at side terminal pin 7
INJ I (wastegate control solenoid under hood)	D3	Injector Out I	can control boost solenoid directly
PWM 3	D4	PWM Out 3	

Outputs at side terminal strip	Side Terminal Strip	Name in software	
High Current 3	7	High Current 3	also at ECU header C9

Outputs at the green 22-pin	Green 22pin Connector	Name in software	
Spark F	1	Spark Out F	
Spark E	2	Spark Out E	
Spark D	3	Spark Out D	
Spark C	4	Spark Out C	
Spark B	5	Spark Out B	
Spark A	6	Spark Out A	
PWM1	19	PWM / Idle Out 1	