

ECU pin out table

Pin no.	Connection	Comments
1	Injector driver 4/AuxOut1	Injector driver 4 or user assigned output
2	IACV2/AuxOut2	IACV stepper motor channel 2 or user assigned output
3	IACV1/IACV-PWM/AuxOut3	IACV stepper motor channel 1, IACV pwm control or user assigned output
4	Ignition driver 3/Main Relay Control	Ignition driver 3 or main relay control output according to ECU configuration
5	Ignition driver 2/AuxOut5	Ignition driver 2 or user assigned output
6	Cooling fan relay control	Output switches to earth to activate relay & fan
7	Oxygen sensor signal input	0-1v input from narrow band sensor
8	Throttle pot signal input	0-5v input from throttle position sensor
9	+5v sensor supply	5v output, 100mA max supply for sensors such as TPS, MAP, etc
10	AuxIn10	User assigned 0-5v input. An internally switched pull-up resistor can be enabled on this input.
11	Ignition sense input	+12v supply via ignition switch
12	Tacho output signal	0-12v pulsed output
13	Immobilisor/EGT digital input	Digital input from a Lucas 5AS immobilisor or VAG EGT sensor interface
14	+8v sensor supply	+8v supply for external sensors
15	Cam phase or custom input	Cam sensor input (if required)
16	Air temperature signal input	NTC temperature sensor input
17	Injector driver 5/Ignition driver 4/AuxOut17	Injector driver 5, Ignition driver 4 or user assigned output according to ECU configuration
18	Oxygen sensor signal earth	
19	Shift-light driver/AuxOut19	Shift-light output (switched earth) or user assigned output according to ECU configuration
20	Fuel pump relay driver	Switched earth
21	Injector driver 6/AuxOut3	Injector driver 6 or user assigned output
22	IACV3/AuxOut22	IACV stepper motor control or user assigned output
23	Injector driver 2	
24	Injector driver 1	
25	Ignition driver 1	
26	Injector driver 3/AuxOut26	Injector driver 3 or user assigned output
27	IACV 4/AuxOut27	IACV stepper motor control or user assigned output
28	+12v Ignition supply	Supply from main relay or common with pin 11
29	ECU earth	Good earth (direct to battery)
30	Sensor earth	Common earth for air, coolant & throttle sensors
31	Main trigger signal input	Crank sensor or digital distributor input signal
32	Main trigger sensor earth	Earth return for main/cam trigger sensors
33	Coolant temp signal input	NTC temperature sensor input
34	AuxIn34	User assigned 0-5v input
35	AuxIn35	User assigned 0-5v input. An internally switched pull-up resistor can be enabled on this input for temperature sensors.
36	AuxIn36/AuxOut36	User configurable input or output pin

Note : Apart from the Tacho output, all ECU driver outputs are switched earths.

Important: Although the ECU's injector drivers are fully overload protected they are designed to control **high** impedance injectors. Low impedance injector should only be used if fitted with suitably sized ballast resistors.