

PIN OUT EURO2

Pin	Name	Type	Note
1	GND	Sensor ground	CAN + digital inputs
2	Lambda	Linear input	Lambda sensor input 0..5 volts, 47 kOhm pull-up
3	IGN 3	Ignition Output	Ignition cylinder 3
4	EM 1	Digital Input	RPM crankshaft sensor (inductive or Hall)
5	EM 2	Digital Input	Camshaft sync sensor (inductive or Hall)
6	CAN_L	CAN line	CAN low
7	OUT 8	Digital output	Programmable output, PWM possible
8	OUT 6	Digital output	Programmable output, PWM possible
9	OUT 4	Digital output	Programmable output, PWM possible
10	OUT 3	Digital output	Programmable output, PWM possible
11	GND	Sensor ground	Analogue sensor ground
12	VBATT Supply	ECU wake-up	Power supply via external ignition relay
13	EM 3	Digital Input	Digital input, switch or 2 nd camshaft sensor signal
14	EM 4	Digital Input	Digital input, switch
15	LIN 1	Linear 1	Manifold air pressure sensor, 47 kOhm pull-up
16	OUT 1	Digital output	Programmable output, PWM possible
17	LIN 2	Linear input	Throttle position sensor, 47 kOhm pull-up
18	INJ3	Injector driver	Fuel injector on cylinder 3
19	GND	Power ground	Ground on engine
20	IGN KEY	Power supply	Direct +12 volt ECU power supply
21	Main Relay	Digital switch	Main relay switch (relay powers pin 12 + coils/injectors)
22	CAN_H	CAN line	CAN High
23	OUT 7	Digital output	Programmable output, PWM possible
24	GND	Power ground	Ground on engine
25	IGN 1	Ignition driver	Ignition cylinder 1
26	IGN 2	Ignition driver	Ignition cylinder 2
27	IGN 4	Ignition driver	Ignition cylinder 4
28	OUT 5	Digital output	Programmable output, PWM possible
29	TEMP 1	Input NTC	Water temperature sensor, 3.16 kOhm pull-up
30	VREF	5 Volt reference	Reference voltage for sensors
31	TEMP2	Input NTC	Air temperature sensor, 3.16 kOhm pull-up
32	INJ 4	Injector driver	Fuel injector on cylinder 4
33	INJ 2	Injector driver	Fuel injector on cylinder 2
34	OUT 2	Digital output	Programmable output, PWM possible
35	INJ 1	Injector driver	Fuel injector on cylinder 1

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