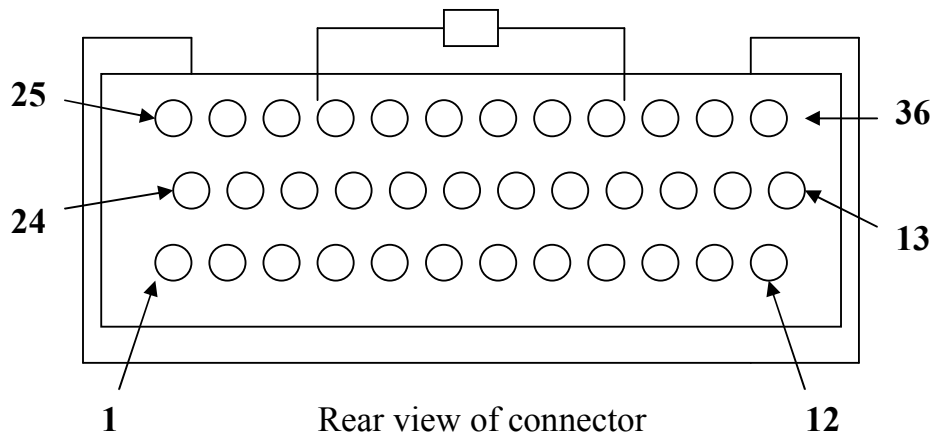


**EU3 1.8K VVC
(no A/C)**

36-way ECU connector



Pin number	Connection	Comments
1	Injector driver 4	Injector 2
2	IACV	Channel 2
3	IACV	Channel 1
4	Main relay control	MFRU main relay control
5	Ignition driver 2	Ignition for cylinders 2&3
6	Cooling fan relay control	Switched earth
7	AuxIn7	Oxygen sensor signal input
8	Throttle pot signal input	TPS signal
9	Throttle pot supply / +5v out	5v output, 100mA max
10	AuxIn10	Oil temperature signal input
11	Ignition sense input	+12v supply via ignition switch
12	Tacho output signal	12v pulsed output
13	Digital input	-not used-
14	AuxIn14 / AuxOut14	-not used-
15	Cam phase sensor	VVC cam position sensor signal
16	Air temperature signal input	ATS signal
17	AuxOut17	VVC (+) solenoid control
18	Oxygen sensor signal earth	
19	AuxOut19	Shift-light
20	Fuel pump relay driver	Switched earth
21	AuxOut21	VVC (-) solenoid control
22	IACV	Channel 3
23	Injector driver 2	Injector 3
24	Injector driver 1	Injector 1
25	Ignition driver 1	Ignition for cylinders 1&4
26	Injector driver 3	Injector 4
27	IACV	Channel 4
28	+12v Ignition supply	Ignition switched +12v
29	ECU earth	Good earth (direct to battery)
30	Sensor earth	Common earth for air, coolant & throttle sensors
31	Crank signal input	CPS signal
32	Crank/Cam sensor earth	Earth for crank/cam trigger sensor
33	Coolant temp signal input	CTS signal
34	AuxIn34	MAP sensor signal input
35	AuxIn35	
36	AuxIn36 / AuxOut36	Oxygen sensor heater relay driver

To adapt EU3 twin plug loom to single plug for K6

EU3 ECU				K6 ECU
Pin	Colour	Use	Note	Pin
First row - left/top large pin is pin 1 – clip to top				
1	Black/blue	Lambda heater earth	Big pin	36
2			Big pin	-
3	Yellow/blue	Lambda 2	Not used	-
4	Blue/purple	Crank sensor	Signal	31
5	Screen	Camshaft sensor shield		30
6	Pink/black	Oil temp sensor earth		30
7	Pink/black	Sensor earth		30
8	Yellow/purple	Map sensor	+5v supply	9
9				
10	Yellow/white	TMAP signal	Not used	-
11				
12	Orange/pink	VVC (-) valve		21
13	Orange/grey	IACV pin 1	C	2
14	Yellow/red	Injector 3		23
Second row – no large pins				
15	Green/yellow	Lambda signal		7
16	Yellow/purple	Cam sensor signal		15
17	Black/grey	Crankshaft sensor shield		30
18	Pink/black-blank	Sensor earth		30
19	Brown/pink	+12v supply		28
20	Green/yellow	Throttle pot	Signal	8
21				
22				
23				
24	Orange/blue	IACV pin 4	D	27
25	Yellow/blue	Injector 1		24
26	White/black	Coil 2	Coil for cyl 2&3	5
Third row – two large pins first				
27	Green/blue	Lambda 2 heater earth	Big-pin Not used	-
28	Pink/black	Lambda 1 screen earth	Big pin	30
29	Blue/red-Blue/white	Lambda 2	Not used	-
30	White/blue-Black/pink	Crank sensor	Signal earth	32
31	Pink/black	Map sensor earth		30
32	Green/brown	Oil temperature sensor	Signal	10
33	Pink/green	Coolant temp sensor		33
34	Pink/black	Throttle pot earth	Join to sensor earth	30
35	White/red		Not used	-
36				
37				
38	Black/orange	Carbon canister	Not used	-
39	Orange/green	IACV pin 6	B	3
40	Yellow/brown	Injector 4		26
Fourth row				
41	Green/brown	Lambda signal earth		18
42	Black/grey	Cam sensor	Signal earth	32
43				
44	Yellow/black	Air temp sensor		16
45	Red/green	Map sensor	Signal	34
46	Pink/purple	Throttle pot	+5v supply	9
47				

48				
49	Orange/black	VVC (+) valve		17
50	Pink/blue	IACV pin 3	A	22
51	Yellow/green	Injector 2		1
52	White/orange	Coil 1	Coil for cyls 1&4	25
<u>Small connector- first row top-left, clip to bottom</u>				
53	Blue/black	AC clutch / Shift-light		19
54	White/pink	Main relay control		4
55	White/black	Tacho	Tacho signal	12
56	Pink/blue-black	AC request (active low)	Not used	-
57	Green/black-blank	AC hot soak pump	Not used	-
58	White/yellow	OBDII pin 7	Not used	-
59	Black	Battery earth		29
<u>Second row</u>				
60	Blue/yellow-blank	AC fan/condensor	Fan2	-
61	Green--white	Ignition sense		11
62	LG?	OBDII pin 15	Not used	-
63				-
64				
65	Red	OBDII pin 6	Not used	-
66	Black	Battery earth		29
<u>Third row</u>				
67	Blue/grey-blank	Cooling fan relay	Switched earth	6
68	Black/purple	Fuel pump	Relay switched earth	20
69	White/purple-blank	MIL LED	Not used	-
70	Black/orange-blank	TRINARY?	Not used	-
71				
72	Blue/green	Immobiliser signal		13
73	Black	Battery earth		29
<u>Fourth row</u>				
74	Yellow/grey	Speedo output signal	-	-
75				
76				
77				
78				
79	Blue	OBDII pin 14	Not used	-
80	Purple-or-red	Fused battery +12v	Not used	-

stepper motor IACV connections

IACV pin **A** = Pink/Blue wire, to K6 pin 22
IACV pin **B** = Orange/Green wire, to K6 pin 3
IACV pin **C** = Orange/Grey wire, to K6 pin 2
IACV pin **D** = Orange/Blue wire, to K6 pin 27