K44   48-PIN ECU CONNECTOR PINOUT

GREY CONNECTOR   **BLACK CONNECTO**

C1	C2	C3	C4	C5	C6	C7	C8
BOOST HC4	FAN LC2	STEP-B2	STEP-B1	STEP-A1	STEP-A2	FP LC1	GND
B1	**B2**	**B3**	**B4**	**B5**	**B6**	**B7**	**B8**
IGN1	IGN2	IGN3	IGN4	IDL2 HC1	IDL1 HC3	VVT1 HC2	VVT2 HC5
A1	**A2**	**A3**	**A4**	**A5**	**A6**	**A7**	**A8**
INJ1	INJ2	INJ3	INJ4	INJ5	INJ6	INJ7	INJ8

C1	C2	C3	C4	C5
GND SENSOR	AN IN1	AN IN2	OXY	CTS
B1	**B2**	**B3**	**B4**	**B5**
TAC	CNK+ TRIG1	CNK- TRIG1	CAM+ TRIG2	CAM- TRIG2
A1	**A2**	**A3**	**A4**	**A5**
+12V POWER	GND POWER	+5V OUT	O/P PIN43	DIG IN2

Pin	Type	Description
A1	OUTPUT	INJECTOR 1
A2	OUTPUT	INJECTOR 2
A3	OUTPUT	INJECTOR 3
A4	OUTPUT	INJECTOR 4
A5	OUTPUT	INJECTOR 5
A6	OUTPUT	INJECTOR 6
A7	OUTPUT	INJECTOR 7
A8	OUTPUT	INJECTOR 8
B1	OUTPUT	IGNITION 1
B2	OUTPUT	IGNITION 2
B3	OUTPUT	IGNITION 3
B4	OUTPUT	IGNITION 4
B5	OUTPUT	IDL2 when configured for 3-wire idle valve
B6	OUTPUT	IDL1 SOLENOID gnd active drive
B7	OUTPUT	VVT1 SOLENOID gnd active drive
B8	OUTPUT	VVT2 when configured for dual VVT
C1	OUTPUT	BOOST SOLENOID gnd active drive
C2	OUTPUT	FAN RELAY gnd active drive
C3	OUTPUT	IDLE STEPPER B2 OUTPUT
C4	OUTPUT	IDLE STEPPER B1 OUTPUT
C5	OUTPUT	IDLE STEPPER A1 OUTPUT
C6	OUTPUT	IDLE STEPPER A2 OUTPUT
C7	OUTPUT	FUEL PUMP Gnd active Relay Drive
C8		POWER GROUND (Ground at engine block with its own 1mm wire)

Pin	Type	Description
A1	POWER	+12V PO
A2	POWER GROUND	(ground a
A3	POWER	+5V SEN
A4	OUTPUT	SPARE (
A5	INPUT	DIGITAL
A6	COMMS	SERIAL3
A7	COMMS	SERIAL3
A8	DIGITAL INPUT GROUND	(ground a
B1	OUTPUT	TACH OU
B2	TRIGGER	CRANK S
B3	TRIGGER	CRANK S
B4	TRIGGER	CAM SEI
B5	TRIGGER	CAM SEI
B6	INPUT	DIGITAL
B7	INPUT	CLUTCH
B8	INPUT	FLEX FU
C1	SENSOR GND	
C2	INPUT	ANALOG
C3	INPUT	ANALOG
C4	INPUT	OXY SEI
C5	INPUT	COOLAN
C6	INPUT	INTAKE /
C7	INPUT	THROTT
C8	INPUT	EXTERN