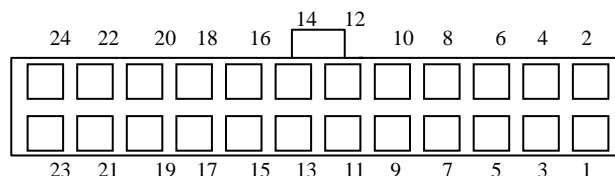


BMW E46 with the M54 engine

BC-box



Rev. 2007-11-16

Master connector				
pin		Color	name	Function
1		black / white	signal GND	Ground (Chassi)
2		grey	5v out	5V supply for accessories
3				
4		green	Analog 4 in	<i>not used</i>
5		violette	PWM out	Boost control valve
6		blue	Analog 3 in	Internal MAP sensor
7		yellow	Analog 2 out	to stock ECU MAF input
8		red / green	Analog 2 in	from stock MAF sensor
9			Analog 1 out	<i>not used</i>
10		red / yellow	Analog 1 in	from stock Throttle Pos Sensor
11			PWM out	<i>not used</i>
12			PWM in	<i>not used</i>
13		blue / red	IgnitionA out	<i>not used *</i>
14		blue / white	IgnitionA in	from RPM tachometer *
15			Fuel_D_OUT	<i>not used</i>
16			Fuel_D_IN	<i>not used</i>
17		brown / black	Fuel_C_OUT	to fuel injector
18		brown / red	Fuel_C_IN	fuel signal from ECU
19		brown / blue	Fuel_B_OUT	to fuel injector
20		brown / grey	Fuel_B_IN	fuel signal from ECU
21		brown / yellow	Fuel_A_OUT	to fuel injector
22		brown / green	Fuel_A_IN	fuel signal from ECU
23		black	Power GND	Ground (Chassi)
24		red	12 V Power	+12V from ignition (possibly from fuel injectors)
Slave connector				
1		black / white	signal GND	Ground (Chassi)
6			Analog 3 in	Internal MAP sensor internally connected
14		blue / white	IgnitionA in	from RPM tachometer *
17		black / yellow	Fuel_C_OUT	to fuel injector
18		brown	Fuel_C_IN	fuel signal from ECU
19		black / green	Fuel_B_OUT	to fuel injector
20		red / white	Fuel_B_IN	fuel signal from ECU
21		green / white	Fuel_A_OUT	to fuel injector
22		white	Fuel_A_IN	fuel signal from ECU
23		black	Power GND	Ground (Chassi)

* If ignition control is necessary, ignition A in and out must connect to crank signal via a coil adapter.