

A6000 DME control unit

Plug connector overview

Number	X-pin, colour	Description
X60001	26-pin, grey	Component connector DME control unit
X60002	26-pin, black	Component connector DME control unit
X60003	6-pin, black	Component connector DME control unit
X60004	6-pin, black	Component connector DME control unit
X60005	44-pin, black	Component connector DME control unit
X60006	12-pin, black	Component connector DME control unit
X60007	26-pin, natural	Component connector DME control unit

Pin assignments at plug connector X60001

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E/A	Signal CAN bus low	Connector, CAN bus
2		Not used	
3		Not used	
4	E	Brake light signal	Brake light switch
5	E	Signal SPORT button	SPORT button
6	E	Signal Temperature sensor at radiator outlet	Temperature sensor at radiator outlet
7	E	Signal Accelerator pedal module	Accelerator pedal module
8	A	Signal Electric fan	Electric fan
9	A	Compressor control	Heating/air conditioning system

10	M	Ground Accelerator pedal module	Accelerator pedal module
11	A	Supply Accelerator pedal module	Accelerator pedal module
12		Not used	
13	A	Activation Secondary air pump relay	Secondary air pump relay
14	E/A	Signal CAN bus high	Connector, CAN bus
15	E	Signal Electronic vehicle immobilisation	Electronic vehicle immobilizer (EWS)
16	E	Brake light test signal	Brake light switch
17	E	Signal Processed wheel speed, rear right	Dynamic stability control (DSC)
18	E	Signal, clutch switch	Clutch switch module
19	E	Signal Temperature sensor at radiator outlet	Temperature sensor at radiator outlet
20	E	Signal Accelerator pedal module	Accelerator pedal module
21	A	Speed signal	Diagnostic connector
22		Not used	
23	M	Ground Accelerator pedal module	Accelerator pedal module
24	A	Supply Accelerator pedal module	Accelerator pedal module

25	E	Signal, starter terminal 50	Fuse F32
26	A	Negative activation E-box fan	E-box fan

Pin assignments at plug connector X60002

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Terminal 15	Fuse F9
2	E/A	Signal Diagnostic link TXD	Diagnostic connector
3	E	Signal SPORT button	SPORT button
4	E	Signal Steering column switch, cruise control	Steering column switch, cruise control
5	E	Signal, oxygen sensor	Oxygen sensor 2 before catalytic converter
6	E	Signal, oxygen sensor	Oxygen sensor before catalytic converter
7	E	Signal, oxygen sensor	Oxygen sensor 2 before catalytic converter
8	E	Signal, oxygen sensor	Oxygen sensor before catalytic converter
9	E	Signal, oxygen sensor	Oxygen sensor 2 before catalytic converter
10	M	Ground Oxygen sensor before catalytic converter	Oxygen sensor before catalytic converter
11	M	Ground Oxygen sensor 2 before catalytic converter	Oxygen sensor 2 before catalytic converter

12	E	Signal, oxygen sensor heating	Oxygen sensor before catalytic converter
13	E	Signal, oxygen sensor heating	Oxygen sensor 2 before catalytic converter
14	A	Activation, main relay	DME relay
15	E	USA Signal, fuel tank leak diagnosis valve	Diagnostic module for fuel tank leakage
16	E	USA Signal, fuel tank leak diagnosis pump	Diagnostic module for fuel tank leakage
17	E	USA Signal, fuel tank leak diagnosis heating	Diagnostic module for fuel tank leakage
18	E	Signal, oxygen sensor	Oxygen sensor before catalytic converter
19	E	Signal, oxygen sensor	Oxygen sensor 2 after catalytic converter
20	E	Signal, oxygen sensor	Oxygen sensor after catalytic converter
21	E	Signal, exhaust temperature sensor	Exhaust temperature sensor
22		Not used	
23	M	Ground Oxygen sensor after catalytic converter	Oxygen sensor after catalytic converter Exhaust temperature sensor
24	M	Ground Oxygen sensor 2 after catalytic converter	Oxygen sensor 2 after catalytic converter
25	E	Signal, oxygen sensor heating	Oxygen sensor 2 after catalytic converter

26	E	Signal, oxygen sensor heating	Oxygen sensor after catalytic converter

Pin assignments at plug connector X60003

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Supply, terminal 30	B+ potential distributor
2	E	Supply, terminal 87	Fuse F02
3		Not used	
4	M	Ground	Ground point
5		Not used	
6		Not used	

Pin assignments at plug connector X60004

Pin	Type	Description / Signal type	Connection / Measuring notes
1		Not used	
2		Not used	
3	E	Signal Electric throttle valve actuator	Electric throttle valve actuator
4	E	Signal Electric throttle valve actuator	Electric throttle valve actuator
5		Not used	
6		Not used	

Pin assignments at plug connector X60005

Pin	Type	Description / Signal type	Connection / Measuring notes
1		Not used	
2		Not used	
3		Not used	
4	A	Activation Suction jet pump valve	Suction jet pump valve
5		Not used	
6		Not used	
7	A	Activation Throttle valve potentiometer	Throttle valve potentiometer
8	E	Signal, coolant temperature	Engine coolant temperature sensor
9	M	Ground, coolant temperature sensor	Engine coolant temperature sensor
10		Not used	
11	A	Activation Close idle speed control valve	Idle actuator
12	A	Activation Open idle speed control valve	Idle actuator
13		Not used	
14	A	Supply Electric throttle valve actuator	Electric throttle valve actuator
15		Not used	

16		Not used	
17		Not used	
18	E	Signal Knock sensor 3	Knock sensor 3
19	E	Signal Knock sensor	Knock sensor
20	E	Signal Knock sensor 2	Knock sensor 2
21		Not used	
22		Not used	
23	A	Signal, fuel tank vent valve	Fuel tank vent valve
24	A	Activation Crankcase breather valve	Crankcase breather valve
25	A	Supply Hot-film air mass meter	Hot-film air mass meter
26	E	Signal Hot-film air mass meter	Hot-film air mass meter
27	M	Ground Hot-film air mass meter	Hot-film air mass meter
28	E	Signal, intake air temperature	Hot-film air mass meter
29	E	Signal Crankshaft sensor	Crankshaft sensor
30	M	Ground Crankshaft sensor	Crankshaft sensor
31		Not used	
32	M	Shield	Crankshaft sensor

33		Not used	
34		Not used	
35	A/E	BSD signal	Alternator
36	E	Signal Electric throttle valve actuator	Electric throttle valve actuator
37	E	Signal Throttle valve potentiometer	Throttle valve potentiometer
38	M	Ground	Ground connector
39		Not used	
40	E	Signal Knock sensor 3	Knock sensor 3
41	E	Signal Knock sensor	Knock sensor
42	E	Signal Knock sensor 2	Knock sensor 2
43		Not used	
44		Not used	

Pin assignments at plug connector X60006

Pin	Type	Description / Signal type	Connection / Measuring notes
1	A	Signal, ignition coil	Ignition coil, cylinder 1
2	A	Signal, ignition coil	Ignition coil, cylinder 2
3	A	Signal, ignition coil	Ignition coil, cylinder 3
4	A	Signal, ignition coil	Ignition coil, cylinder 4

5	A	Signal, ignition coil	Ignition coil, cylinder 5
6	A	Signal, ignition coil	Ignition coil, cylinder 6
7		Not used	
8		Not used	
9		Not used	
10		Not used	
11		Not used	
12		Not used	

Pin assignments at plug connector X60007

Pin	Type	Description / Signal type	Connection / Measuring notes
1	A	Signal, fuel injector	Fuel injector, cylinder 1
2	A	Signal, fuel injector	Fuel injector, cylinder 2
3	A	Signal, fuel injector	Fuel injector, cylinder 3
4		Not used	
5	A	Activation VANOS valves	VANOS valves
6	A	Activation VANOS valves	VANOS valves
7		Not used	
8		Not used	

9		Not used	
10		Not used	
11	E	Signal Camshaft sensor I	Camshaft sensor I
12	E	Signal Camshaft sensor II	Camshaft sensor II
13	E	Signal, oil pressure switch	Oil pressure switch
14	A	Signal, fuel injector	Fuel injector, cylinder 4
15	A	Signal, fuel injector	Fuel injector, cylinder 5
16	A	Signal, fuel injector	Fuel injector, cylinder 6
17		Not used	
18	A	Activation VANOS valves	VANOS valves
19	A	Activation VANOS valves	VANOS valves
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24	M	Ground Camshaft sensor I	Camshaft sensor I
25	M	Ground Camshaft sensor II	Camshaft sensor II
26			

	A/E	BSD signal	Oil condition sensor