

A6000 DME control module**Connector overview**

Number	X-pin, color	Description
X60001	26-pin, gray	Component connector DME control module
X60002	26-pin, black	Component connector DME control module
X60003	6-pin, black	Component connector DME control module
X60004	6-pin, black	Component connector DME control module
X60005	44-pin, black	Component connector DME control module
X60006	12-pin, black	Component connector DME control module
X60007	26-pin, natural	Component connector DME control module

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 occupied	
3		Not occupied	
4	E	Brake light signal	Brake light switch
5		Not occupied	
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		Not occupied	
10	M	Ground Accelerator pedal module	Accelerator pedal module
11	A	Supply Accelerator pedal module	Accelerator pedal module
12		Not occupied	
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 immobilization	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 occupied	
23	M	Ground Accelerator pedal module	Accelerator pedal module
24	A	Supply Accelerator pedal module	Accelerator pedal module
25		Not occupied	
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		Not occupied	
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 behind catalytic converter
20	E	Signal, oxygen sensor	Oxygen sensor behind catalytic converter
21	A	Compressor enable from DME	Heating/air conditioning system
22		Not occupied	
23	M	Ground Oxygen sensor behind catalytic converter	Oxygen sensor behind catalytic converter
24	EM	Ground Oxygen sensor 2 behind catalytic converter	Oxygen sensor 2 behind catalytic converter
25	E	Signal, oxygen sensor heating	Oxygen sensor 2 behind catalytic converter
26	E	Signal, oxygen sensor heating	Oxygen sensor behind catalytic converter

Pin assignments at plug connector X6003

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Supply, terminal 30	Integrated supply module (IVM)

2	E	Supply, terminal 87	Fuse F03
3	M	Ground	Ground point
4	M	Ground	Ground point
5	M	Ground	Ground point
6	M	Ground	Ground point

Pin assignments at plug connector X60004

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Supply, terminal 87	Integrated supply module (IVM)
2	E	Supply, terminal 87	Integrated supply module (IVM)
3	A	Signal, actuator for variable valve timing gear	Actuator, variable valve timing gear
4	A	Signal, actuator for variable valve timing gear	Actuator, variable valve timing gear
5	A	Signal, actuator for variable valve timing gear	Actuator, variable valve timing gear
6	A	Signal, actuator for variable valve timing gear	Actuator, variable valve timing gear

Pin assignments at plug connector X60005

Pin	Type	Description / Signal type	Connection / Measuring notes
1		Not occupied	
2		Not occupied	
3		Not occupied	
4		Not occupied	
5		Not occupied	
6		Not occupied	
7		Not occupied	
8		Not occupied	
9		Not occupied	

10		Not occupied	
11		Not occupied	
12	A	Activation Engine breather heating relay	Engine breather heating relay
13	A	Activation DME relay	DME relay
14	A	Supply Electric throttle valve	Electric throttle valve
15	E	Signal Electric throttle valve	Electric throttle valve
16	E	Signal Electric throttle valve	Electric throttle valve
17		Not occupied	
18	A	Signal, DISA changeover valve	DISA controller 2
19	E	Signal Double knock sensor	Double knock sensor
20	E	Signal Double knock sensor	Double knock sensor
21		Not occupied	
22	E/A	CAN bus high	Integrated supply module (IVM)
23	A	Signal, fuel tank vent valve	Fuel tank vent valve
24		Not occupied	
25	A	Supply Air mass flow sensor	Air mass flow sensor
26	E	Signal Air mass flow sensor	Air mass flow sensor
27	M	Ground Air mass flow sensor	Air mass flow sensor
28	E	Signal, intake air temperature	Air mass flow sensor
29	E	Signal Crankshaft sensor	Crankshaft sensor
30	M	Ground Crankshaft sensor	Crankshaft sensor
31	A	Supply Intake pipe pressure sensor	Intake pipe pressure sensor
32	M	Ground Intake pipe pressure sensor	Intake pipe pressure sensor
33	E	Signal Intake pipe pressure sensor	Intake pipe pressure sensor

34		Not occupied	
35	A/E	BSD signal	Connector BSD signal
36	E	Signal Electric throttle valve	Electric throttle valve
37	E	Signal Electric throttle valve	Electric throttle valve
38	M	Ground Electric throttle valve	Electric throttle valve
39		Not occupied	
40	A	Signal, DISA changeover valve	DISA controller 1
41	E	Signal Double knock sensor	Double knock sensor
42	E	Signal Double knock sensor	Double knock sensor
43		Not occupied	
44	E/A	CAN bus low	Integrated supply module (IVM)

Pin assignments at plug connector X6006

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 occupied	
8		Not occupied	
9		Not occupied	
10		Not occupied	
11		Not occupied	
12		Not occupied	

Pin assignments at plug connector X6007

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	E	Signal, coolant temperature	Engine coolant temperature sensor
5	A	Activation VANOS solenoid valve, intake	VANOS solenoid valve, intake
6	E	Signal Eccentric shaft sensor	Eccentric shaft sensor
7	E	Signal Eccentric shaft sensor	Eccentric shaft sensor
8	E	Signal Eccentric shaft sensor	Eccentric shaft sensor
9	E	Signal Eccentric shaft sensor	Eccentric shaft sensor
10	M	Shielding	Eccentric shaft sensor
11	E	Signal Intake camshaft sensor	Intake camshaft sensor
12	E	Signal Exhaust camshaft sensor	Exhaust camshaft sensor
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	M	Ground Engine coolant temperature sensor	Engine coolant temperature sensor
18	A	Activation VANOS solenoid valve, exhaust	VANOS solenoid valve, exhaust
19	E	Signal Characteristic map thermostat	Characteristic map thermostat
20	M	Ground Eccentric shaft sensor	Eccentric shaft sensor
21	A	Supply Eccentric shaft sensor	Eccentric shaft sensor

22	E	Signal Eccentric shaft sensor	Eccentric shaft sensor
23	A	Activation, VVT relay	VVT relay
24	M	Ground Intake camshaft sensor	Intake camshaft sensor
25	M	Ground Exhaust camshaft sensor	Exhaust camshaft sensor
26	A/E	BSD signal	Electric coolant pump