

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	A/E	Signal PT-CAN low	Power train CAN-bus
2	E	Start signal	Car access system
3	A/E	BSD signal	Battery sensor
4	E	Brake light signal	Brake light switch
5	A	Signal, exhaust flap	Exhaust flap
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	A/E	Signal PT-CAN high	Power train CAN-bus
15	E		Car access system

		Signal, electronic vehicle immobilizer	
16	E	Brake light test signal	Brake light switch
17	E	Signal, rear right wheel speed	Connector X10186 (rear right wheel speed)
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/E	TD signal	Connector TD signal
22		Not occupied	
23	M	Ground Accelerator pedal module	Accelerator pedal module
24	A	Supply Accelerator pedal module	Accelerator pedal module
25	E	USA Signal Secondary air - hot-film air-mass meter	Secondary air - hot-film air-mass meter
26	A	Signal, E-box fan	E-box fan

Pin assignments at plug connector X60002

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Wake-up signal, terminal 15	Connector, terminal 15 wake-up
2		Not occupied	
3		Not occupied	
4		Not occupied	
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		Not occupied	
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	Oxygen sensor 2 behind catalytic converter
26	E	Signal, oxygen sensor	Oxygen sensor behind 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 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	VVT relay
2	E	Supply, terminal 87	VVT relay
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 Motor-driven throttle actuator	Motor-driven throttle actuator
15	E	Signal Motor-driven throttle actuator	Motor-driven throttle actuator
16	E	Signal Motor-driven throttle actuator	Motor-driven throttle actuator
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		Not occupied	
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 manifold pressure sensor	Intake manifold pressure sensor
32	M	Ground Intake manifold pressure sensor	Intake manifold pressure sensor
33	E	Signal Intake manifold pressure sensor	Intake manifold pressure sensor

34		Not occupied	
35	A/E	BSD signal	Connector BSD signal
36	E	Signal Motor-driven throttle actuator	Motor-driven throttle actuator
37	E	Signal Motor-driven throttle actuator	Motor-driven throttle actuator
38	M	Ground Motor-driven throttle actuator	Motor-driven throttle actuator
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		Not occupied	

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 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	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 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	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 Camshaft sensor I	Camshaft sensor I
25	M	Ground Camshaft sensor II	Camshaft sensor II
26	A/E	BSD signal	Electric coolant pump