

Inputs

Resource	Function	Details
Digital 1	Trigger Primary Sensor	
Digital 2	Trigger Secondary Sensor	Assigned to multiple functions
Digital 2	VVT Timing Intake Intake camshaft 1 Position Sensor	Assigned to multiple functions
Digital 3	VVT Timing Exhaust Exhaust camshaft 1 Position Sensor	
Digital 4	Sensors Oil level	
Digital 4	Sensors Oil temperature	
Digital 6	Switches Custom 2	DSG - P/N Lock
Digital 7	Switches Custom 3	Cruise control switch
Digital 8	Switches Driver Start engine	
Digital 9	Switches Custom 1	Piston jet
Digital 10	Switches Brake active	Brake pedal position
Analog 1	Sensors Manifold pressure Sensor	
Analog 2	Sensors Throttle 1 position Main signal	
Analog 3	Sensors Throttle 1 position Check signal	
Analog 4	Sensors Accelerator position Main signal	
Analog 5	Sensors Accelerator position Check signal	
Analog 6	Sensors Fuel high pressure 1	
Analog 7	Sensors Fuel pressure	
Analog 8	Switches Custom 4	Oil pressure high
Analog 9	Sensors Coolant temperature	
Analog 10	Sensors Radiator coolant temperature	
Analog 11	Sensors Intake air temperature	
Analog 12	Sensors Post-intercooler air temperature	
Analog 13	Sensors Pre-throttle pressure	
Analog 14	Sensors Wastegate position	
Analog 17	Switches Custom 6	Intake flap
Analog 18	Switches Custom 5	Oil pressure reduced

Outputs

Resource	Function	Details
Ignition 1	Ignition Coils Assignment Cylinder 1	
Ignition 2	Ignition Coils Assignment Cylinder 2	
Ignition 3	Ignition Coils Assignment Cylinder 3	
Ignition 4	Ignition Coils Assignment Cylinder 4	
Injector 1	Fuel Rail 1 Injectors Assignment Cylinder 1	DI Injector 1 control signal
Injector 2	Fuel Rail 1 Injectors Assignment Cylinder 2	DI Injector 2 control signal
Injector 3	Fuel Rail 1 Injectors Assignment Cylinder 3	DI Injector 3 control signal
Injector 4	Fuel Rail 1 Injectors Assignment Cylinder 4	DI Injector 4 control signal
Injector 5	Fuel Rail 2 Injectors Assignment Cylinder 1	Port Injector 1
Injector 6	Fuel Rail 2 Injectors Assignment Cylinder 2	Port Injector 2
Injector 7	Fuel Rail 2 Injectors Assignment Cylinder 3	Port Injector 3
Injector 8	Fuel Rail 2 Injectors Assignment Cylinder 4	Port Injector 4
Injector 9	Fuel Rail 1 High pressure pumps Setup Pump 1 Valve	
Injector 10	VVT Switched Active position actuators Output 1	
Injector 13	VVT Switched Inactive position actuators Output 1	
Injector 16	Outputs Starter relay	
Auxiliary 1	Lambda controller 1 Wideband heater	
Auxiliary 2	Outputs Main relay	
Auxiliary 3	Outputs Custom output A	Delayed turn off
Auxiliary 5	Outputs Custom outputs B	Coolant shut-off valve
Auxiliary 6	VVT Timing Intake camshaft 1 Actuator Solenoid	
Auxiliary 7	VVT Timing Exhaust camshaft 1 Actuator Solenoid	
Auxiliary 8	Outputs Fuel pump	
Auxiliary 9	Outputs Coolant fan 1	
Auxiliary 10	Outputs Custom output H	Evaporator solenoid
Auxiliary 11	Outputs Custom output F	Piston cooling jet control valve
Auxiliary 12	Outputs Custom output G	Intake flap valve
Auxiliary 13	Outputs Custom output E	Blow-off valve
Auxiliary 15	Outputs Custom output I	Coolant pump
Auxiliary 16	Outputs Custom output C	DSG coolant valve
H-bridge 1A	DBW Throttle 1 Setup	
H-bridge 2A	Boost Actuator Electronic wastegate	
H-bridge 3A	Outputs Thermostat Actuator	
H-bridge 1B	DBW Throttle 1 Setup	
H-bridge 2B	Boost Actuator Electronic wastegate	
H-bridge 3B	Outputs Thermostat Actuator	
H-bridge 4B	Outputs Custom outputs Output J	DSG mechatronics - speed signal