

Inputs

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

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 Configuration Pump 1 Valve output	
Injector 10	VVT Switched Position A actuators Output 1	
Injector 11	VVT Switched Position A actuators Output 2	
Injector 12	VVT Switched Position B actuators Output 1	
Injector 13	VVT Switched Position B actuators Output 2	
Injector 16	Outputs Starter relay Output	
Auxiliary 1	Lambda controller 1 Wideband heater output	
Auxiliary 4	Outputs Custom outputs Output A Output	Ignition relay
Auxiliary 5	Outputs Custom outputs Output B Output	Coolant shut-off valve
Auxiliary 6	VVT Timing Intake Intake camshaft 1 Actuator Solenoid Output	
Auxiliary 7	VVT Timing Exhaust Exhaust camshaft 1 Actuator Solenoid Output	
Auxiliary 8	Outputs Fuel pump Output	
Auxiliary 9	Outputs Coolant fans Coolant fan 1 Output	
Auxiliary 10	Outputs Custom outputs Output H Output	Charcoal filter valve
Auxiliary 11	Outputs Custom outputs Output F Output	Piston cooling jet control valve
Auxiliary 12	Outputs Custom outputs Output G Output	Intake flap valve
Auxiliary 13	Outputs Custom outputs Output E Output	Turbo air recirculation valve
Auxiliary 15	Outputs Custom outputs Output C Output	DSG coolant valve
Auxiliary 16	Outputs Custom outputs Output D Output	Oil pressure control valve
H-bridge 1	DBW Throttle 1 Setup Output	
H-bridge 2	Boost Actuator Electronic wastegate Output	
H-bridge 3	Outputs Custom DC motor Output	Temp regulator motor +
H-bridge 4B	Outputs Custom outputs Output J Output	DSG mechatronics - speed signal