

# Pinout Nissan 350Z Plug and Play module (VQ35DE)

nr.	Black Connector	nissan connector
1	Ignition coil #5	Ignition signal No. 5
2	EGT in #1	
3	Knock Sensor in #1	knock sensor
4	Analog in #2	Throttle position sensor 2
5	CLT in	Engine Coolant Temperature Sensor
6	WBO vs	External Connector J4-6
7	Camsync in #2	camshaft position sensor LH (Phase)(bank 2)
8	primary trigger	crankshaft position sensor input (POS)
9	Flex fuel in	External Connector J5-9
10	Switch #1 in	brake pedal
11	RS232 TXD	
12	CAN H	CAN communication line
13	Battery+12	Bat 12V
14	Ignition coil #4	Ignition signal No. 4
15	EGT in #2	
16	Knock Sensor in #2	
17	Analog in #3	Refrigerant pressure sensor
18	TPS in	Accelerator pedal position
19	WBO ip	External Connector J4-1
20	Vss in	
21	Camsync in #1	camshaft position sensor RH (PHASE)(bank 1)
22	WBO Rcal	External Connector J4-5
23	Switch #2 in	Clutch pedal
24	RS232 RXD	
25	CAN L	CAN communication line
26	5V supply	Sensor power supply 5V+
27	Power ground	ECM ground
28	ECU ground	ECM ground
29	Sensor ground	sensor ground (pedal, DBW)
30	Analog in #4	steering switches (experimental)
31	Analog in #1	Throttle position sensor 1
32	IAT in	Intake Air Temperature Sensor Input
33	WBO VGND	External Connector J4-2
34	5V supply second	External Connector J5-6
35	Analog in #5	External Connector J5-11
36	Switch #3 in	External Connector J5-12
37	Analog in #6	External Connector J5-10
38	Sensor ground	External Connector J5-5
39	Sensor ground	sensor ground (clt, refig. iat)

nr:	Grey Connector	nissan connector
1	Ignition coil #6	Ignition signal No. 6
2	H-Brdige #1 Winding A	Throttle control motor DBW (Close)
3	H-Bridge #2 Winding A	
4	AUX 6	Intake valve timing control solenoid valve (bank 2)
5	AUX 3	External Connector J5-8
6	Injector #4	Injector No. 4
7	Injector #1	Injector No. 1
8	Ignition coil #1	Ignition signal No. 1
9	Ignition coil #3	Ignition signal No. 3
10	H-Brdige #1 Winding B	Throttle control motor DBW (Open)
11	H-Bridge #2 Winding B	
12	AUX 5	Intake valve timing control solenoid valve (bank 1)
13	AUX 2	Fuel Pump Relay
14	Injector #5	Injector No. 5
15	Injector #2	Injector No. 2
16	Ignition coil #2	Ignition signal No. 2
17	Power ground	ECM ground
18	Power 12V	Power supply for ECM (Ignition switch)
19	WBO heater	External J4-3
20	AUX 4/Tacho	External J5-7
21	AUX 1	Main Relay
22	Injector #6	Injector No. 6
23	Injector #3	Injector No. 3
24	Power ground	ECM ground