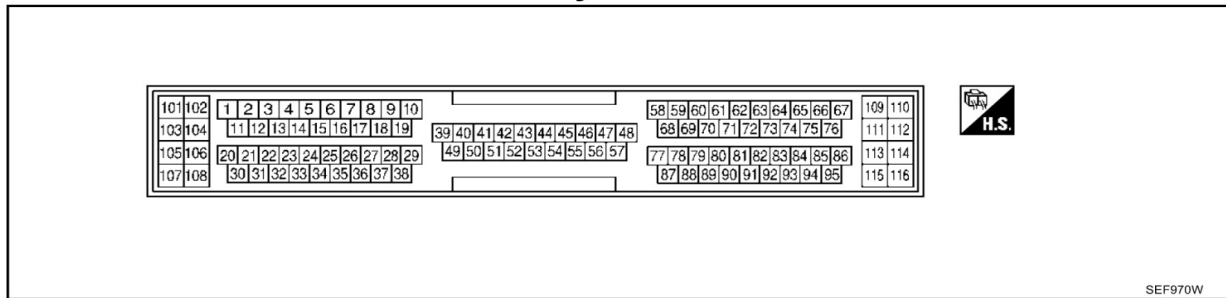


ECM Harness Connector Terminal Layout

ABS00042



SEF970W

2003 INFINITI G35 SEDAN PINOUTS

Terminal #	Wire Color	ITEM
1	R/B	Injector No. 1
2	R/W	Injector No. 2
3	R/Y	Injector No. 3
4		
5	Y/R	Ignition signal No. 1
6	G/R	Ignition signal No. 2
7	L/R	Ignition signal No. 3
8	W/G	Intake valve timing control solenoid valve (bank 2)
9	W/R	Intake valve timing control solenoid valve (bank 1)
10	L/Y	EVAP canister purge volume control solenoid valve
11	R/L	Injector No. 4
12	W	Injector No. 5
13	P	Injector No. 6
14		
15	GY	Ignition signal No. 4
16	PU/W	Ignition signal No. 5
17	GY/R	Ignition signal No. 6
18		
19		
20		
21		
22		
23	B/OR	Fuel pump relay
24		
25		
26	G	Throttle control motor relay
27		
28		
29		
30		
31	W/L	Counter current return
32		
33	R/B	MIL
34		
35		
36		

37		
38	W/B	ECM relay (Self shut-off)
39	L	Heated oxygen sensor 1 heater (bank 1)
40	Y	Heated oxygen sensor 1 heater (bank 2)
41	P/B	Heated oxygen sensor 2 heater (bank 1)
42	SB	Start signal
43	W/L	Ignition switch
44	G/OR	PNP SWITCH
45		
46		
47	R/L	Heated oxygen sensor 2 heater (bank 2)
48	B	ECM ground
49		
50	G/Y	ASCD steering switch
51		
52		
53		
54		
55	P/L	Stop lamp switch
56		
57	B	ECM ground
58	B/W	Sensors' ground
59	SB	ASCD brake switch
60	L/R	EVAP control system pressure sensor
61		
62	LG	Mass air flow sensor
63		
64	G	Accelerator pedal position sensor 2 power supply
65	G/W	Camshaft position sensor (PHASE) (bank 1)
66	Y/G	Intake air temperature sensor
67	R/W	Power supply for ECM (Buck Up)
68		
69	W/B	Fuel level sensor
70	B/R	Accelerator pedal position sensor 2 ground
71	W	Knock sensor
72		
73	BR	Accelerator pedal position sensor 1
74	LG/B	Accelerator pedal position sensor 2
75	PU/W	Fuel tank temperature sensor
76	G/W	Camshaft position sensor (PHASE) (bank 1)
77		
78	B	Fuel level sensor ground
79		
80	B/Y	Mass air flow sensor ground
81	OR	Refrigerant pressure sensor
82		
83	W	Throttle position sensor 1
84	G	Throttle position sensor 2
85	Y	Camshaft position sensor (PHASE) (bank 2)
86		
87		
88	W/R	Heated oxygen sensor 2 (bank 1)
89	W/G	Power steering pressure sensor

90	G/R	Heated oxygen sensor 2 (bank 2)
91	L/W	Heated oxygen sensor 1 (bank 1)
92	GY	Heated oxygen sensor 1 (bank 2)
93	Y/B	Engine coolant temperature sensor
94	Y	Camshaft position sensor (PHASE) (bank 2)
95	BR	Crankshaft position sensor (POS)
96		
97		
98		
99		
100		
101	Y	Throttle control motor (Open)
102	W/R	Throttle control motor relay power supply
103	BR	Throttle control motor (Close)
104		
105	GY/L	EVAP canister vent control valve
106	B	ECM ground
107	B	Throttle control motor ground
108	B	ECM ground
109	L	CAN communication line
110	P	Power supply for ECM
111	L	Sensors' power supply
112	P	Power supply for ECM
113	R	CAN communication line
114		
115	PU	Data link connector
116		

A

C

C

D