

C1 Blu

Connector Part Information		PCM Connector C1 Assembly 12191489 TPA (BLU) 12176408 Connector Cover 12191108	
Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	Ground
2	LT GRN	1867	12 Volt Reference
3	PNK/BLK	1746	Fuel Injector 3 Control
4	LT GRN/BLK	1745	Fuel Injector 2 Control
05/10/07	--	--	Not Used
11	LT BLU	1876	Knock Sensor 2 Signal
12	DK BLU/WHT	1869	CKP Sensor Signal
13	ORN/BLK	463	Requested Torque Signal
14	ORN/BLK	1061	UART Serial Data [Secondary]
15	DRK BLU/WHT	774	UART Serial Data [Tertiary]
16	--	--	Not Used
17	DK BLU	1225	Transmission Fluid Pressure Switch Signal B
18	RED	1226	Transmission Fluid Pressure Switch Signal C
19	PNK	439	Ignition 1 Voltage
20	ORN	440	Battery Positive Voltage
21	YEL	1868	Low Reference
22	--	--	Not Used
23	PPL	719	Low Reference
24	--	--	Not Used
25	TAN	1671	HO2S Low Signal [- Bank 2 Sensor 1]
25	TAN	413	HO2S Low Reference (Denso Sensors) HO2S Low Signal (Delphi Sensors)
26	TAN	1667	HO2S Low Signal [- Bank 2 Sensor 2]
26	TAN	413	HO2S Low Reference (Denso Sensors) HO2S Low Signal (Delphi Sensors)
27	--	--	Not Used
28	TAN/WHT	1669	HO2S Low Signal [- Bank 1 Sensor 2]
28	TAN	413	HO2S Low Reference (Denso Sensors) HO2S Low Signal (Delphi Sensors)
29	TAN/WHT	1653	HO2S Low Signal [- Bank 1 Sensor 1]

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29	TAN	413	HO2S Low Reference (Denso Sensors) HO2S Low Signal (Delphi Sensors)
30	LT GRN	1478	Coolant Level Switch Signal
31	--	--	Not Used
32	BLK/WHT	771	Transmission Range Switch Signal A
33	PPL	420	TCC Brake Switch Signal
34	WHT	776	Transmission Range Switch Signal P
35	GRA	48	CPP Switch Signal
36	BLK	1744	Injector 1 Control
37	YEL/BLK	846	Injector 6 Control
38	PNK/WHT	1101	Damping Lift/Dive Signal
39	--	--	Not Used
40	BLK/WHT	451	Ground
41	BLK	407	Low Reference
41	GRA	720	Low Reference (w/o Delphi HO2S)
42	--	--	Not Used
43	RED/BLK	877	Fuel Injector 7 Control
44	LT BLU/BLK	844	Fuel Injector 4 Control
45	GRA	474	5 Volt Reference (FTP Sensor)
46	GRY	474	5 Volt Reference (TPS Sensor)
47	GRY	597	5 Volt Reference (MAP Sensor)
48	GRA	596	5 Volt Reference (EGR Sensor)
49 50	--	--	Not Used
51	DK BLU	496	KS [1] Signal
52	--	--	Not Used
53	BLK	470	Low Reference
54	BLK	452	Low Reference
55	BRN	1456	EGR Valve Position Signal
56	--	--	Not Used
57	ORN	440	Battery Positive Voltage
58	DK GRN	1049	ECM/PCM/VCM Class 2 Serial Data
59	YEL	710	Class 2 Serial Data
60	ORN/BLK	469	Low Reference
61	PNK/BLK	632	Low Reference
62	--	--	Not Used
63	GRA	720	Low Reference
63	TAN	413	HO2S Low Reference (Denso Sensors) HO2S Low Signal (Delphi Sensors)
64	--	--	Not Used
65	PPL	1670	HO2S High Signal [- Bank 2 Sensor 2]

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66	PPL	1666	HO2S High Signal [- Bank 2 Sensor 1]
67	--	--	Not Used
68	PPL/WHT	1668	HO2S High Signal [- Bank 1 Sensor 2]
69	PPL/WHT	1665	HO2S High Signal [- Bank 1 Sensor 1]
70	BRN	1174	Oil Level Switch Signal
71	--	--	Not Used
72	YEL	772	Transmission Range Switch Signal B
73	BRN/WHT	633	CMP Sensor Signal
74	YEL	410	ECT Sensor Signal
75	PNK	1020	Off/Run/Crank Voltage
76	BLK/WHT	845	Fuel Injector 5 Control
77	DK BLU/WHT	878	Fuel Injector 8 Control
78	--	--	Not Used
79	WHT	687	3-2 Shift Solenoid Valve Control
80	ORN/BLK	510	Low Reference

C2 RED

**PCM Connector C2 Assembly 12191488
TPA (RED) 12176410**

Connector Part Information

Connector Cover 12191108

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	Ground
2	BRN	418	TCC PWM Solenoid Valve Control
3	TAN	1465	Fuel Pump Relay Control [- Secondary]
4	--	--	Not Used
5	TAN/BLK	464	Delivered Torque Signal
6	RED/BLK	1228	PC Solenoid Valve High Control (Sol. A)
7	RED	1676	EGR Valve Supply Voltage (5 Volt)
8	LT BLU/WHT	1229	PC Solenoid Valve Low Control (Sol. A)
9	DK GRN/WHT	465	Fuel Pump Relay Control [- Primary]
10	WHT	121	Engine Speed Signal
11	DK BLU	604	A/C High Pressure Recirculation Switch Signal
12	--	--	Not Used
13	LT BLU/BLK	396	Cruise Control Engaged Signal
14	--	--	Not Used
15	BRN	25	Charge Indicator Control
16	GRY/BLK	1694	4WD Low Signal
17	DK GRN/WHT	2523	A/C Request
18	--	--	Not Used
19	BLK/WHT	1695	Axle Switch Signal
20	LT GRN/BLK	822	VSS Low Signal
21	PPL/WHT	821	VSS High Signal
22	RED/BLK	1230	AT ISS High Signal
23	DK BLU/WHT	1231	AT ISS Low Signal
24	--	--	Not Used
25	TAN	472	IAT Sensor Signal
26	PPL	2121	IC 1 Control
27	RED	2127	IC 7 Control
28	LT BLU/WHT	2126	IC 6 Control
29	DK GRN/WHT	2124	IC 4 Control
30	--	--	Not Used
31	YEL	492	MAF Sensor Signal
32	LT GRN	432	MAP Sensor Signal
33	DK GRN	1614	Recirculation Actuator Control
34	DK GRN/WHT	428	EVAP Canister Purge Solenoid Control

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35	--	--	Not Used
36	BRN	436	AIR Pump Relay Control
37-38	--	--	Not Used
39	RED	631	12 Volt Reference
40	BLK/WHT	451	Ground
41	WHT	257	EGR Solenoid Control
42	TAN/BLK	422	TCC Solenoid Valve Control
43	DK GRN/WHT	459	A/C Compressor Clutch Relay Control
44	--	--	Not Used
45	WHT	1310	EVAP Canister Vent Solenoid Control
46	BRN/WHT	419	MIL Control
47	YEL/BLK	1223	(2-3 Shift Solenoid or Shift Solenoid B) Valve Control
48	LT GRN	1222	(1-2 Shift Solenoid or Shift Solenoid A) Valve Control
49	YEL/BLK	1827	Vehicle Speed Signal
50	DK GRN/WHT	817	VSS Signal
51	YEL/BLK	1227	TFT Sensor Signal
52	GRA	23	Generator Field Duty Cycle Signal
53	--	--	Not Used
54	PPL	1589	Fuel Level Sensor Signal [- Primary]
55	DK GRN	603	A/C Low Pressure Switch Signal
56	--	--	Not Used
57	BLK	552	Low Reference
58-59	--	--	Not Used
60	BRN	2129	Low Reference
61	BRN/WHT	2130	Low Reference
62	GRA	773	Transmission Range Switch Signal C
63	PNK	1224	Transmission Fluid Pressure Switch Signal A
64	DK GRN	890	Fuel Tank Pressure Sensor Signal
65	--	--	Not Used
66	PPL/WHT	2128	IC 8 Control
67	RED/WHT	2122	IC 2 Control
68	DK GRN	2125	IC 5 Control
69	LT BLU	2123	IC 3 Control
70-71	--	--	Not Used
72	BLK/WHT	3122	HO2S Heater Low Control [- Bank 2 Sensor 1]
73	DK BLU	1936	Fuel Level Sensor Signal [- Secondary]
74	LT GRN/WHT	3213	HO2S Heater High Control [- Bank 2 Sensor 1]
75	--	--	Not Used
76	LT GRN/WHT	1749	IAC Coil B High Control
77	LT GRN/BLK	444	IAC Coil B Low Control

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78	LT BLU/BLK	1748	IAC Coil A Low Control
79	LT BLU/WHT	1747	IAC Coil A High Control
80	LT GRN	3212	HO2S Heater Low Control [- Bank 2 Sensor 1]