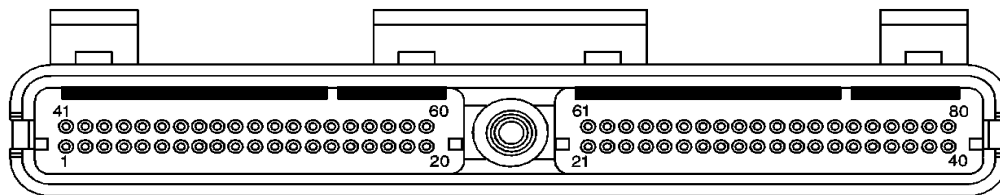


# Powertrain Control Module (PCM) Connector End Views

Table 1: [PCM Connector C1 \(Red\)](#)

Table 2: [PCM Connector C2 \(Blue\)](#)

## PCM Connector C1 (Red)



### Connector Part Information

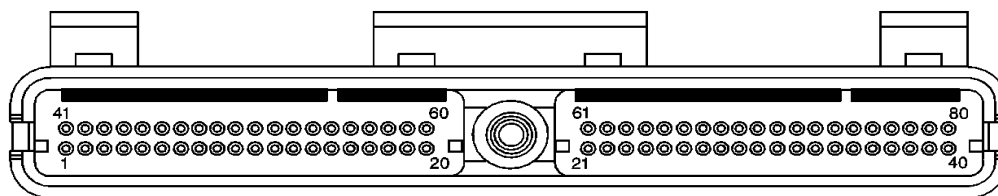
- PCM Connector C1 (Red)
- 80 Pin Connector

Pin	Wire Color	Circuit No.	Function
1-2	--	--	Not Used
3	WHT	1310	EVAP Canister Vent Solenoid Valve Control
4	BRN/WHT	633	Camshaft Position Sensor Signal
5-6	--	--	Not Used
7	YEL	400	VSS Signal High
8	--	--	Not Used
9	PNK/BLK	1746	Injector #3 Control
10	--	--	Not Used
11	DK BLU	229	VTD Fuel Enable
12	LT BLU/BLK	844	Injector #4 Control
13	RED/WHT	2122	Injector #2 Control
14	DK GRN	59	A/C Status
15	BLK/WHT	845	Injector #5 Control
16-17	--	--	Not Used
18	YEL/BLK	846	Injector #6 Control

19-20	--	--	Not Used
21	PPL	719	IAT Sensor Ground
22	DK BLU	1225	Transmission Range Signal B
23	LT GRN/BLK	1745	Injector #2 Control
24	BLK/WHT	1704	Sensor Ground Jumper
25	PNK	1224	Transmission Range Signal A
26	--	--	Not Used
27	RED/BLK	877	Injector #7 Control
28-29	--	--	Not Used
30	GRY/BLK	1687	Spark Retard Signal
31	DK BLU/WHT	878	Injector #8 Control
32	ORN/BLK	434	PNP Switch Signal
33	BLK	1744	Injector #1 Control
34	GRY or WHT	587 or 687	Skip Shift Solenoid (M/T) or 3-2 Shift Solenoid (A/T)
35	LT GRN	1222	1-2 Shift Solenoid
36	DK/BLU	1936	Fuel Gauge Output Control
37	BRN/WHT	419	MIL Control
38	--	--	Not Used
39	DK GRN/WHT	459	A/C Clutch Relay Control
40	WHT or YEL/BLK	375 or 1223	Skip Shift Lamp Control (M/T) or 2-3 Shift Solenoid (A/T)
41	BRN/WHT	1173	Low Oil Level Indicator Lamp Control
42	LT GRN	1652	Reverse Inhibit Solenoid Control
43	DK/GRN	335	Cooling Fan Relay #1 Control
44	YEL	573	Crankshaft Position Sensor Signal Input
45	DK GRN/WHT	428	EVAP Canister Purge Valve Control
46	--	--	Not Used
47	DK GRN/WHT	762	A/C Request Signal
48	YEL	492	MAF Signal
49	PPL	2121	Ignition #1 Control
50-51	--	--	Not Used
52	PPL/WHT	2128	Ignition #8 Control
53	RED	2127	Ignition #7 Control
54	LT BLU/WHT	2126	Ignition #6 Control
55	DK GRN/WHT	817	VSS Output Signal
56	DK GRN	2125	Ignition #5 Control
57	DK GRN/WHT	2124	Ignition #4 Control
58	LT BLU	2123	Ignition #3 Control
59	BRN/WHT	2130	Ignition Control Reference Low Bank 2
60	BRN	2129	Ignition Control Reference Low Bank 1
61	RED	1226	Transmission Range Signal C

62	BLK	552	EGR Pintle Position Ground
63	BLK	407	A/C Refrigerant Pressure Sensor Ground
64-70	--	--	Not Used
71	PPL	401	VSS Signal Low
72	BLK	451	PCM Ground
73-74	--	--	Not Used
75	GRY	720	Left and Right Fuel Tank Level Sensor Ground
76	BLK	451	PCM Ground
77	PPL	420	TCC/Brake Switch Signal
78-80	--	--	Not Used

### PCM Connector C2 (Blue)



#### Connector Part Information

- PCM Connector C2 (Blue)
- 80 Pin Connector

Pin	Wire Color	Circuit No.	Function
1	TAN	1671	HO2S Signal Low Bank 2 Sensor 2
2	TAN/WHT	1669	HO2S Signal Low Bank 1 Sensor 2
3	TAN	800	Serial Data (UART)
4	RED	631	Camshaft Position Sensor B+ Supply
5	TAN	1667	HO2S Signal Low Bank 2 Sensor 1
6	TAN/WHT	1653	HO2S Signal Low Bank 1 Sensor 1
7	RED/BLK	380	A/C Refrigerant Pressure Sensor Signal
8	TAN	472	IAT Sensor Signal
9	BRN	1456	EGR Pintle Position Sensor Signal
10	PPL	30	Fuel Level Sensor Signal
11	--	--	Not Used
12	DK BLU	417	TP Sensor Signal
13	YEL/BLK	1227	Transmission Fluid Temperature Sensor Signal
14	ORN/BLK	1057	Transmission Fluid Temperature Sensor Ground
15-18	--	--	Not Used

19	PNK	439	PCM Ignition 1 Feed
20	ORN	340	PCM Battery Feed
21	BLK	451	PCM Ground
22	YEL/BLK	1868	Crankshaft Position Sensor Ground
23	BLK	452	TP Sensor Ground
24	BLK/WHT	1704	Sensor Ground Jumper
25	BRN	718	ECT Sensor Ground
26	ORN/BLK	469	MAP Sensor Ground
27	--	--	Not Used
28	DK BLU	473	Engine Cooling Fan Relay #2 and #3 Control
29	--	--	Not Used
30	BRN	436	AIR Pump Relay Control
31	PPL	421	AIR Solenoid Relay Control
32	TAN/BLK	422	TCC Enable Solenoid
33	BRN	418	TCC (PWM) Solenoid Valve Control
34	GRY	435	EGR Valve Ground
35	WHT	121	Engine Speed (Tach) Output Signal
36	LT BLU/WHT	1229	Transmission Fluid Pressure Control Solenoid Control Low
37	DK GRN/WHT	465	Fuel Pump Relay Control
38	LT BLU	697	EGR Valve Control Circuit
39	RED/BLK	1228	Transmission Fluid Pressure Control Solenoid Control High
40	--	--	Not Used
41	PPL	1670	HO2S Signal High Bank 2 Sensor 2
42	PPL/WHT	1668	HO2S Signal High Bank 1 Sensor 2
43	GRY	596	TP Sensor 5V Reference
44-45	--	--	Not Used
46	PPL	1666	HO2S Signal High Bank 2 Sensor 1
47	PPL/WHT	1665	HO2S Signal High Bank 1 Sensor 1
48	LT GRN	432	MAP Sensor Signal
49	YEL	410	ECT Sensor Signal
50-51	--	--	Not Used
52	DK GRN	890	Fuel Tank Pressure Sensor Signal
53	--	--	Not Used
54	LT GRN/BLK	444	IAC Coil B Low
55	LT BLU/BLK	1748	IAC Coil A Low
56	LT BLU/WHT	1747	IAC Coil A High
57	LT GRN/WHT	1749	IAC Coil B High
58	PPL	1807	Serial Data (Class 2)
59	--	--	Not Used
60	BLK	451	PCM Ground

61	ORN	340	PCM Battery Feed
62	LT GRN	1867	Crankshaft Position Sensor B+ Supply
63	--	--	Not Used
64	GRY	416	MAP Sensor 5.0 Volt Reference
65	GRY	705	5V Reference
66	GRY	474	A/C Refrigerant Pressure Sensor 5.0 Volt Reference
67	GRY	598	5V Reference
68	LT BLU	1876	Knock Sensor (KS) Rear
69	DK BLU	496	Knock Sensor (KS) Front
70	PNK/BLK	632	Camshaft Position Sensor Ground
71-75	--	--	Not Used
76	BRN	1174	Oil Level Sensor Signal
77-80	--	--	Not Used

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**1998 Pontiac Firebird**