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Document ID# 328627  
1999 Chevrolet/Geo Camaro

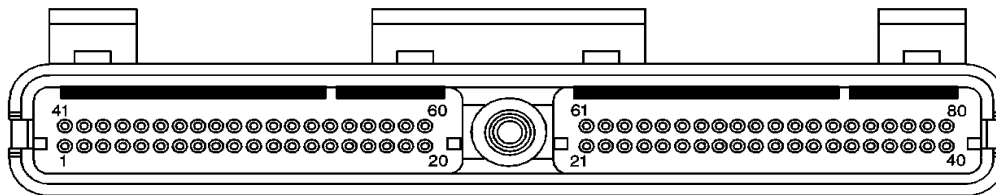
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# Powertrain Control Module (PCM) Connector End Views

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

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

## PCM Connector C1 (BLU)



### Connector Part Information

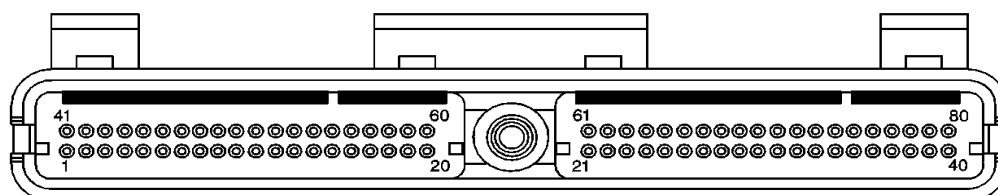
- PCM Connector C1 Assembly 12191489
- TPA (BLU) 12176408
- Connector Cover 12191108

Pin	Wire Color	Circuit No.	Function
1	BLK	451	PCM Ground
2	LT GRN	1867	Crankshaft Position Sensor B+ Supply
3	PNK/BLK	1746	Injector 3 Control
4	LT GRN/BLK	1745	Injector 2 Control
5-7	--	--	Not Used
8	GRA	596	TP Sensor 5V Reference
9-10	--	--	Not Used
11	LT BLU	1876	Knock Sensor Signal Rear
12	DK BLU/WHT	1869	Crankshaft Position Sensor Signal
13-16	--	--	Not Used
17	DK BLU	1225	Transmission Range Signal B
18	RED	1226	Transmission Range Signal C
19	PNK	439	Ignition Positive Voltage

20	ORN	340	Battery Positive Voltage
21	YEL/BLK	1868	Crankshaft Position Sensor Reference Low
22	--	--	Not Used
23	GRA	720	Fuel Tank Pressure Sensor/Fuel Tank Sender Ground
24	--	--	Not Used
25	TAN	1671	HO2S Signal Low Bank 2 Sensor 2
26	TAN	1667	HO2S Signal Low Bank 2 Sensor 1
27	--	--	Not Used
28	TAN/WHT	1669	HO2S Signal Low Bank 1 Sensor 2
29	TAN/WHT	1653	HO2S Signal Low Bank 1 Sensor 1
30-31	--	--	Not Used
32	GRY	48	Clutch Pedal Position Switch Signal
33	PPL	420	TCC Brake Switch
34	ORN/BLK	434	PNP Switch Signal
35	--	--	Not Used
36	BLK	1744	Injector 1 Control
37	YEL/BLK	846	Injector 6 Control
38-39	--	--	Not Used
40	BLK	451	PCM Ground
41	BLK	407	EGR Pintle Position Sensor Ground
42	DK GRN	335	Engine Cooling Fan Relay 1 Control
43	RED/BLK	877	Injector 7 Control
44	LT BLU/BLK	844	Injector 4 Control
45	GRA	474	A/C Refrigerant Pressure Sensor 5V Reference
46	GRA	474	Fuel Tank Pressure Sensor 5V Reference
47	GRA	416	EGR Pintle Position Sensor 5V Reference
48	GRA	416	MAP Sensor 5V Reference
49-50	--	--	Not Used
51	DK BLU	496	Knock Sensor Signal Front
52	--	--	Not Used
53	BLK	407	Transmission Temperature Sensor Ground
54	ORN/BLK	407	MAP Sensor Ground
55	BRN	1456	EGR Pintle Position Sensor Signal
56	--	--	Not Used
57	ORN	340	Battery Positive Voltage
58	DK GRN	1049	Serial Data
59	--	--	Not Used
60	BLK	452	TP Sensor Ground
61	PNK/BLK	632	Camshaft Position Sensor Reference Low

62-64	--	--	Not Used
65	PPL	1670	HO2S Signal High Bank 2 Sensor 2
66	PPL	1666	HO2S Signal High Bank 2 Sensor 1
67	--	--	Not Used
68	PPL/WHT	1668	HO2S Signal High Bank 1 Sensor 2
69	PPL/WHT	1665	HO2S Signal High Bank 1 Sensor 1
70	BRN	1174	Low Oil Level Switch
71-72	--	--	Not Used
73	BRN/WHT	633	Camshaft Position (CMP) Sensor Signal
74	YEL	410	Engine Coolant Temperature (ECT) Sensor Signal
75	--	--	Not Used
76	BLK/WHT	845	Injector 5 Control
77	DK BLU/WHT	878	Injector 8 Control
78	--	--	Not Used
79	GRA or WHT	587 or 687	Skip Shift Solenoid Control (M/T) or 3-2 Shift Solenoid Control (A/T)
80	BLK	407	Engine Coolant Temperature (ECT) Sensor Ground

### PCM Connector C2 (RED)



<b>Connector Part Information</b>		<ul style="list-style-type: none"> <li>• <b>PCM Connector C2 Assembly 12191488</b></li> <li>• <b>TPA (RED) 12176410</b></li> <li>• <b>Connector Cover 12191108</b></li> </ul>	
Pin	Wire Color	Circuit No.	Function
1	BLK	451	PCM Ground
2	BRN	418	TCC Control Solenoid
3	--	--	Not Used
4	PPL	421	AIR Solenoid Relay Control
5	--	--	Not Used
6	RED/BLK	1228	Transmission Fluid Pressure Control Solenoid High

7	RED	1676	EGR Control
8	LT BLU/WHT	1229	Transmission Fluid Pressure Control Solenoid Low
9	DK GRN/WHT	465	Fuel Pump Relay Control
10	WHT	121	Engine Speed (Tach) Output Signal
11-12	--	--	Not Used
13	WHT	85	Cruise Control Enable Signal
14	RED/BLK	380	A/C Refrigerant Pressure Sensor Signal
15	RED	225	Alternator L Terminal
16	--	--	Not Used
17	DK GRN/WHT	762	A/C Request Signal
18	DK GRN	59	A/C Status Signal
19	--	--	Not Used
20	LT GRN/BLK	822	Vehicle Speed Sensor (VSS) Reference Low
21	PPL/WHT	821	Vehicle Speed Sensor (VSS) Signal
22-23	--	--	Not Used
24	DK BLU	417	TP Sensor Signal
25	TAN	472	IAT Sensor Signal
26	PPL	2121	Ignition Control 1
27	RED	2127	Ignition Control 7
28	LT BLU/WHT	2126	Ignition Control 6
29	DK GRN/WHT	2124	Ignition Control 4
30	DK BLU	229	VTD Fuel Enable Signal
31	YEL	492	MAF Sensor Signal
32	LT GRN	432	MAP Sensor Signal
33	DK BLU	473	Engine Cooling Fan Relay 2 and 3 Control
34	DK GRN/WHT	428	EVAP Canister Purge Valve Control
35	--	--	Not Used
36	BRN	436	AIR Pump Relay Control
37	DK GRN	83	Cruise Control Inhibit
38	--	--	Not Used
39	RED	631	Camshaft Position Sensor B+ Supply
40	BLK	451	PCM Ground
41	GRA	435	EGR Position Sensor Ground
42	TAN/BLK	422	TCC Enable Circuit
43	DK GRN/WHT	459	A/C Clutch Relay Control
44	LT GRN	1652	Reverse Inhibit Solenoid Control
45	WHT	1310	EVAP Canister Vent Valve Control
46	BRN/WHT	419	Malfunction Indicator Lamp (MIL) Control
47	YEL/BLK	1223	Transmission Shift Solenoid B

48	LT GRN	1222	Transmission Shift Solenoid A
49	--	--	Not Used
50	DK GRN/WHT	817	Vehicle Speed Output Circuit
51	YEL/BLK	1227	Transmission Temperature Sensor Signal
52	--	--	Not Used
53	GRA/BLK	1687	Spark Retard Signal
54	PPL	1589	Fuel Level Sensor Signal
55-56	--	--	Not Used
57	PPL	719	IAT Sensor Ground
58-59	--	--	Not Used
60	BRN	2129	Ignition Control Reference Low Bank 1
61	BRN/WHT	2130	Ignition Control Reference Low Bank 2
62	--	--	Not Used
63	PNK	1224	Transmission Range Signal A
64	DK GRN	890	Fuel Tank Pressure Sensor Signal
65	--	--	Not Used
66	PPL/WHT	2128	Ignition Control 8
67	RED/WHT	2122	Ignition Control 2
68	DK GRN	2125	Ignition Control 5
69	LT BLU	2123	Ignition Control 3
70-75	--	--	Not Used
76	LT GRN/WHT	1749	IAC Coil B High
77	LT GRN/BLK	444	IAC Coil B Low
78	LT BLU/BLK	1748	IAC Coil A Low
79	LT BLU/WHT	1747	IAC Coil A High
80	--	--	Not Used

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