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Document ID# 553912
2000 Chevrolet Corvette

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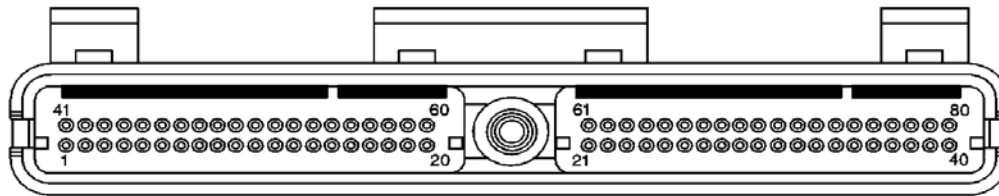
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Powertrain Control Module Connector End Views

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

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

PCM Connector C1 (BLU)



Connector Part Information

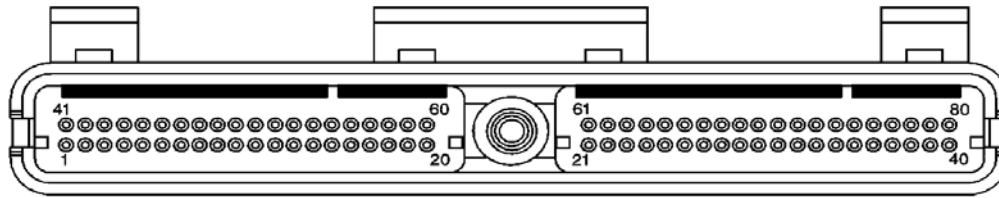
- PCM Connector C1 Assembly 12191489
- TPA (BLU) 12176408
- Connector Cover 12191108

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	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
5-6	--	--	Not Used
7	GRY	596	Engine Oil Pressure Sensor 5V Reference
8-10	--	--	Not Used
11	LT BLU	1876	Knock Sensor Signal Rear (KS2)
12	DK BLU/WHT	1869	Crankshaft Position Sensor Signal
13	ORN/BLK	463	Requested Torque Signal
14	TAN	800	Throttle Actuator Control Serial Data
15	ORN/BLK	1061	Throttle Actuator Control Serial Data
16	--	--	Not Used

17	DK BLU	1225	Transmission Range Signal B (Automatic Transmission Only)
18	RED	1226	Transmission Range Signal C (Automatic Transmission Only)
19	PNK	239	PCM Ignition Supply
20	ORN	340	PCM Battery Supply
21	YEL/BLK	1868	Crankshaft Position Sensor Ground
22	--	--	Not Used
23	GRY	720	Sensor 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	BLK/WHT	771	PRND A Input Signal (Automatic Transmission Only)
33	PPL	420	TCC Brake Switch (Automatic Transmission Only)
34	WHT	776	PRND P Input Signal (Automatic Transmission Only)
35	GRY	48	Clutch Switch (Manual Transmission Only)
36	BLK	1744	Injector 1 Control
37	YEL/BLK	846	Injector 6 Control
38	PNK/WHT	1101	Powertrain Induced Chassis Pitch Signal (if so equipped)
39	--	--	Not Used
40	BLK/WHT	451	PCM Ground
41	--	--	Not Used
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	GRY	474	A/C Refrigerant Pressure Sensor 5V Reference
46	GRY	598	Fuel Tank Pressure Sensor 5V Reference
47	--	--	Not Used
48	GRY	416	MAP Sensor 5V Reference
49-50	--	--	Not Used

51	DK BLU	496	Knock Sensor Signal Front (KS1)
52	--	--	Not Used
53	ORN/BLK	1057	Transmission Temperature Sensor Ground
54	ORN/BLK	469	MAP Sensor Ground
55-56	--	--	Not Used
57	ORN	340	PCM Battery Supply
58	DK GRN	1049	Serial Data
59	--	--	Not Used
60	BLK	407	A/C Refrigerant Pressure Sensor Ground
61	PNK/BLK	632	Camshaft Position Sensor Ground
62	GRY	847	Extended Travel Brake Switch Signal
63	BLK	452	Engine Oil Pressure Sensor Ground
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	--	--	Not Used
72	YEL	772	PRND B Input Signal (Automatic Transmission Only)
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	GRY or WHT	587 or 687	2nd and 3rd Gear Block Out Solenoid Control (M/T) or 3-2 Shift Solenoid Control (A/T)
80	BRN	718	Engine Coolant Temperature (ECT) Sensor Ground

PCM Connector C2 (RED)


Connector Part Information

- PCM Connector C2 Assembly 12191488
- TPA (RED) 12176410
- Connector Cover 12191108

Pin	Wire Color	Circuit No.	Function
1	BLK/WHT	451	PCM Ground (Automatic Transmission Only)
2	BRN	418	TCC Control Solenoid (Automatic Transmission Only)
3	--	--	Not Used
4	PPL	421	AIR Solenoid Control
5	TAN/BLK	464	Torque Delivered
6	RED/BLK	1228	Transmission Fluid Pressure Control Solenoid High (Automatic Transmission Only)
7	--	--	Not Used
8	LT BLU/WHT	1229	Transmission Fluid Pressure Control Solenoid Low (Automatic Transmission Only)
9	DK GRN/WHT	465	Fuel Pump Relay Control
10	WHT	121	Engine Speed (Tach) Output Signal
11-13	--	--	Not Used
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 (C60 only)
18	DK GRN	59	A/C Status Signal
19	--	--	Not Used
20	PPL	401	Vehicle Speed Sensor (VSS) Reference Low
21	YEL	400	Vehicle Speed Sensor (VSS) Signal
22-24	--	--	Not Used
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	--	--	Not Used
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
37-38	--	--	Not Used
39	RED	631	Camshaft Position Sensor B+ Supply
40	BLK/WHT	451	PCM Ground
41	--	--	Not Used
42	TAN/BLK	422	TCC Enable Circuit (Automatic Transmission Only)
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	WHT or YEL/BLK	375 or 1223	1 to 4 Up-shift Lamp Control or 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	GRY	23	Alternator F Terminal
53	--	--	Not Used
54	DK BLU	1936	Fuel Level Sensor Signal
55-56	--	--	Not Used
57	PPL	719	IAT Sensor Ground
58	TAN/WHT	331	Engine Oil Pressure Sensor Signal
59	--	--	Not Used
60	BRN	2129	Ignition Control Reference Low Bank 1
61	BRN/WHT	2130	Ignition Control Reference Low Bank 2
62	GRY	773	PRND C Input Signal (Automatic Transmission Only)
63	PNK	1224	Transmission Range Signal A (Automatic Transmission Only)

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
70-72	--	--	Not Used
73	LT BLU	1937	Fuel Level Sensor Signal (Secondary)
74-80	--	--	Not Used

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