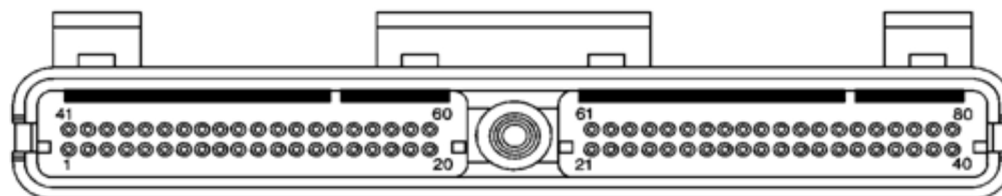


2003 Commodore PCM pinouts:

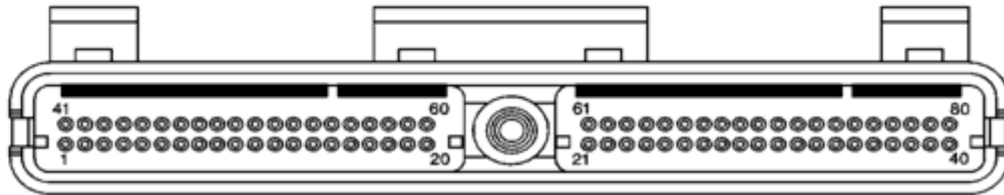
PCM Connector (BLUE) X1



| Connector Part Information | | | |
|----------------------------|------------|-------------|--|
| Pin | Wire Color | Circuit No. | Function |
| 1 | BK/RD | 450* | Ground |
| 2 | L-BU/WH | 2867* | 12 Volt Reference- CKP Pin "C" |
| 3 | PU | 1746* | Fuel Injector 3 Control |
| 4 | GN | 1745* | Fuel Injector 2 Control |
| 5-6 | -- | -- | Not Used |
| 7 | BU/YE | 596* | 5 Volt Reference (Oil Pressure Sensor) Pin "B" |
| 8 | GY | 2701* | 5 Volt Reference TPS Pin "A" |
| 9-10 | -- | -- | Not Used |
| 11 | L-BLU | 1876* | Knock Sensor 2 Signal |
| 12 | L-BLU | 573* | CKP Sensor Signal Pin "A" |
| 13-18 | -- | -- | Not Used |
| 19 | OG | 300* | Ignition 1 Voltage /IGN |
| 20 | OG | 740* | Battery Positive Voltage |
| 21 | L-BU/BK | 574 | Low Reference CKP Pin "B" |
| 22-25 | -- | -- | Not Used |
| 26 | GY/BK | 1667* | HO2S Low Signal Bank 2 Sensor 1 |
| 27-28 | -- | -- | Not Used |
| 29 | BU/BK | 1664* | HO2S Low Signal Bank 1 Sensor 1 |
| 30 | GN | 68* | Coolant Level |
| 31-32 | -- | -- | Not Used |
| 33 | BN | 86* | Brake Switch Signal |
| 34-35 | -- | -- | Not Used |
| 36 | BU | 1744* | Fuel Injector 1 Control |
| 37 | YE | 846* | Fuel Injector 6 Control |

| | | | |
|-------|-------|-------|--|
| 38-39 | -- | -- | Not Used |
| 40 | BK/RD | 450* | Ground |
| 41 | -- | -- | Not Used |
| 42 | | | Low Speed Cooling Fan Relay Control |
| 43 | PK/BK | 877* | Fuel Injector 7 Control |
| 44 | BN/YE | 844* | Fuel Injector 4 Control |
| 45 | PU/WH | 2700* | 5 Volt Reference (A/C Refrigerant Pressure Sensor) |
| 46-47 | -- | -- | Not Used |
| 48 | PU/WH | 2704* | 5 Volt Reference (MAP Sensor) Pin "C" |
| 49-50 | -- | -- | Not Used |
| 51 | BU | 496* | Knock Sensor 1 Signal |
| 52-53 | -- | -- | Not Used |
| 54 | BK | 469* | Low Reference (MAP Sensor Ground) Pin "A" |
| 55-56 | -- | -- | Not Used |
| 57 | OG | 740* | Battery Positive Voltage |
| 58 | YE | 1045* | ECM/PCM/VCM Class 2 Serial Data |
| 59 | -- | -- | Not Used |
| 60 | BK/YE | 2752* | Low Reference TPS Pin "B" |
| 61 | RD/WH | 632* | Low Reference (Camshaft Position Sensor) Pin "B" |
| 62 | -- | -- | Not Used |
| 63 | GN | 470* | Low Reference (Oil Pressure Sensor) Pin "A" |
| 64-65 | -- | -- | Not Used |
| 66 | GY | 1666* | HO2S High Signal Bank 2 Sensor 1 |
| 67-68 | -- | -- | Not Used |
| 69 | PU | 1665* | HO2S High Signal Bank 1 Sensor 1 |
| 70-72 | -- | -- | Not Used |
| 73 | BN | 633* | CMP Sensor Signal Pin "A" |
| 74 | YE | 410* | ECT Sensor Signal Pin "B" |
| 75 | -- | -- | Not Used |
| 76 | GY | 845* | Fuel Injector 5 Control |
| 77 | L-GN | 878* | Fuel Injector 8 Control |
| 78-79 | -- | -- | Not Used |
| 80 | GY/BK | 2761* | Low Reference ECT Pin "A" |

PCM Connector (RED) X2



| Connector Part Information | | | |
|----------------------------|------------|-------------|--|
| Pin | Wire Color | Circuit No. | Function |
| 1 | BK/RD | 450* | Ground |
| 2-8 | -- | -- | Not Used |
| 9 | GN/WH | 465* | Fuel Pump Relay Control [Primary] |
| 10 | BN | 121* | Engine Speed Signal- Tachometer |
| 11-13 | -- | -- | Not Used |
| 14 | GN/BK | 380* | A/C Refrigerant Pressure Sensor Signal |
| 15-17 | -- | -- | Not Used |
| 18 | GN | 59* | A/C Compressor Clutch Supply Voltage |
| 19 | -- | -- | Not Used |
| 20 | TN | 1231 | VSS Low Signal |
| 21 | BU/WH | 1230 | VSS High Signal |
| 22-23 | -- | -- | Not Used |
| 24 | BU | 411* | TPS Sensor Signal Pin "C" |
| 25 | BN | 472* | IAT Sensor Signal Pin "B" |
| 26 | WH | 2121* | IC 1 Control |
| 27 | YE | 2127* | IC 7 Control |
| 28 | L-GN | 2126* | IC 6 Control |
| 29 | WH | 2124* | IC 4 Control |
| 30 | -- | -- | Not Used |
| 31 | BN/WH | 492* | MAF Sensor Signal Pin "A" |
| 32 | LT GRN | 432* | MAP Sensor Signal Pin "B" |

| | | | |
|-------|---------|-------|---|
| 33 | BU/WH | 473* | High Speed Cooling Fan Relay Control |
| 34 | GN/YE | 428* | EVAP Canister Purge Solenoid Control |
| 35-38 | -- | -- | Not Used |
| 39 | WH/BK | 631* | 12 Volt Reference CMP Pin "C" |
| 40 | BK/RD | 450* | Ground |
| 41-42 | -- | -- | Not Used |
| 43 | L-GN/BK | 459* | A/C Compressor Clutch Relay Control |
| 44 | YE | 1652* | Reverse Lockout Solenoid Control |
| 45 | -- | -- | Not Used |
| 46 | | | Malfunction Indicator Lamp (MIL) Control |
| 47-49 | -- | -- | Not Used |
| 50 | PU/WH | 5197 | Vehicle Speed Signal |
| 51-56 | -- | -- | Not Used |
| 57 | GN/OG | 5514* | Low Reference IAT Pin "A" |
| 58 | BN/WH | 331* | Oil Pressure Sensor Signal Pin "C" |
| 59 | -- | -- | Not Used |
| 60 | BN | 2129* | Low Reference Ignition Coils bank 1 (1-3-5-7) |
| 61 | PU | 2130* | Low Reference Ignition Coils Bank 2 (2-4-6-8) |
| 62-65 | -- | -- | Not Used |
| 66 | L-BU | 2128* | IC 8 Control |
| 67 | YE/BK | 2122* | IC 2 Control |
| 68 | GN | 2125* | IC 5 Control |
| 69 | BL | 2123* | IC 3 Control |
| 70-74 | -- | -- | Not Used |
| 76 | L-GN/WH | 1749* | IAC Coil B High Control Pin "B" |
| 77 | L-GN/BK | 444* | IAC Coil B Low Control Pin "A" |
| 78 | L-BU/BK | 1748* | IAC Coil A Low Control Pin "C" |
| 79 | L-BU | 1747* | IAC Coil A High Control Pin "D" |
| 79-80 | -- | -- | Not Used |