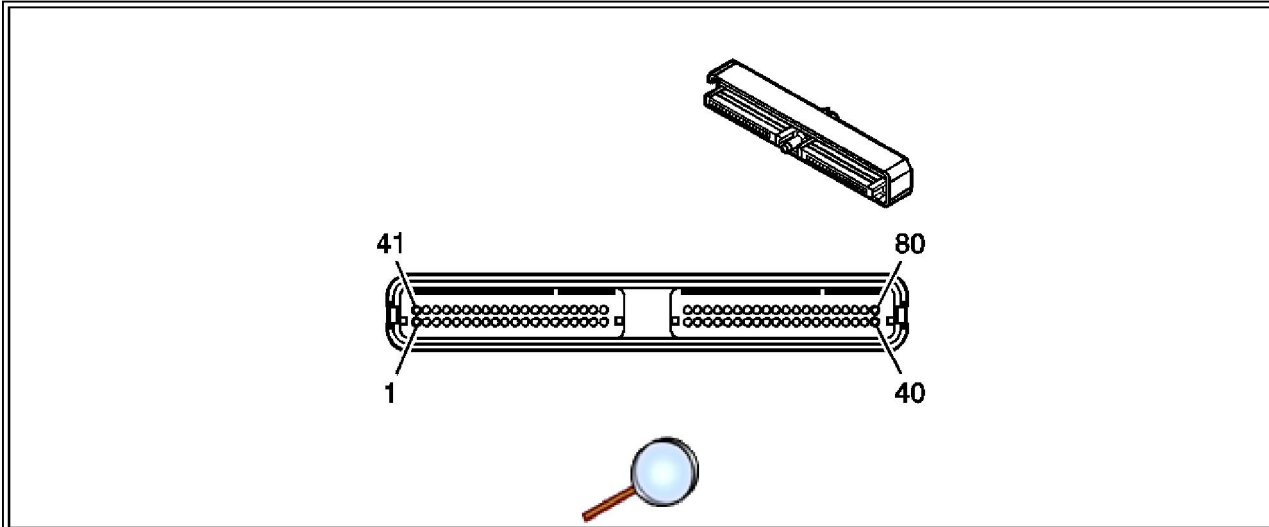


Powertrain Control Module Connector End Views

Table 1: [Powertrain Control Module \(PCM\) - C1](#)

Table 2: [Powertrain Control Module \(PCM\) - C2](#)

Powertrain Control Module (PCM) - C1



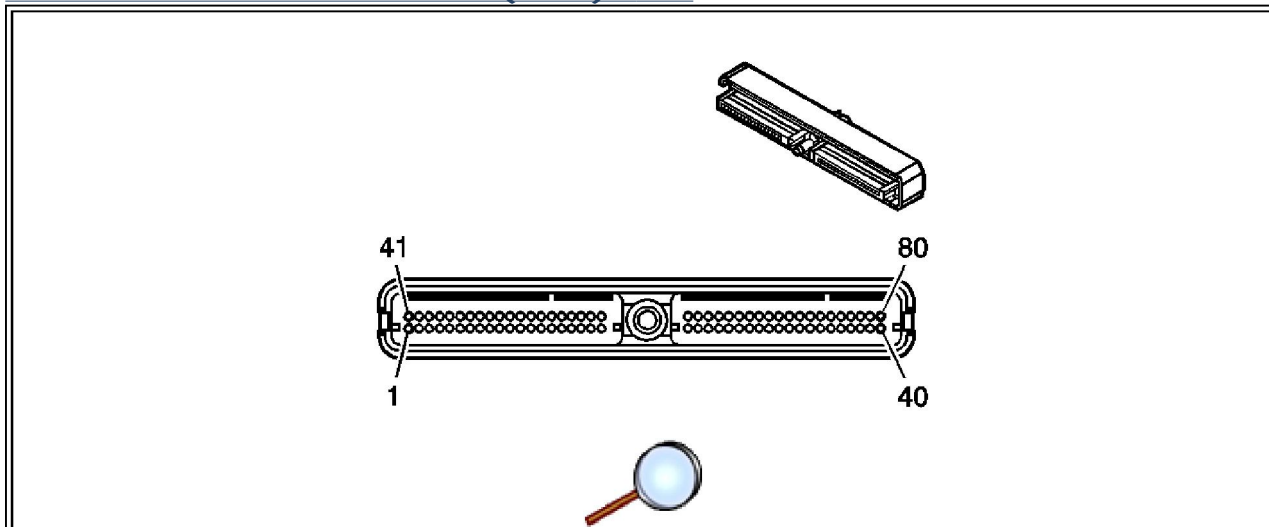
| Connector Part Information | | <ul style="list-style-type: none"> • 12191489 • 80-Way F Micro-Pack 100W Sealed (NAT) | |
|----------------------------|------------|---|---|
| Pin | Wire Color | Circuit No. | Function |
| 1 | BLK/WHT | 451 | Ground |
| 2 | LT GRN | 1867 | 12 Volt Reference |
| 3 | -- | -- | Not Used |
| 4 | LT BLU/BLK | 844 | Fuel Injector 4 Control |
| 5 | -- | -- | Not Used |
| 6 7 | -- | -- | Not Used |
| 8 | GRY | 416 | 5 Volt Reference |
| 9 | DK BLU | 496 | KS [1] Signal |
| 10 | YEL | 2361 | CAN Serial Data High |
| 11 | -- | -- | Not Used |
| 12 | DK BLU/WHT | 1869 | CKP Sensor Signal |
| 13 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/BLK | 1868 | Low Reference |
| 22 | -- | -- | Not Used |
| 23 | BLK | 470 | Low Reference |

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| | | | |
|-------|---------|------|------------------------------------|
| 24 | -- | -- | Not Used |
| 25 | TAN | 1671 | HO2S Low Signal [Bank 2 Sensor 2] |
| 26 | TAN | 1667 | HO2S Low Signal [Bank 2 Sensor 1] |
| 27 | -- | -- | Not Used |
| 28 | TAN/WHT | 1669 | HO2S Low Signal [Bank 1 Sensor 2] |
| 29 | TAN/WHT | 1653 | HO2S Low Signal [Bank 1 Sensor 1] |
| 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 | GRY | 48 | CPP Switch Signal |
| 36 | BLK | 1744 | Fuel Injector 1 Control |
| 37 | PNK/BLK | 1746 | Fuel Injector 3 Control |
| 38 39 | -- | -- | Not Used |
| 40 | BLK/WHT | 451 | Ground |
| 41 | PPL | 719 | Low Reference |
| 42 | -- | -- | Not Used |
| 43 | BLK/WHT | 845 | Fuel Injector 5 Control |
| 44 45 | -- | -- | Not Used |
| 46 | GRY | 474 | 5 Volt Reference |
| 47 | GRY | 596 | 5 Volt Reference |
| 48 | GRY | 597 | 5 Volt Reference |
| 49 | GRY | 1716 | KS [1] Return |
| 50 52 | -- | -- | Not Used |
| 53 | BLK | 407 | Low Reference |
| 54 | ORN/BLK | 469 | 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 | 510 | Low Reference |
| 61 | PNK/BLK | 632 | Low Reference |
| 62 | -- | -- | Not Used |
| 63 | BLK | 452 | Low Reference |
| 64 | -- | -- | Not Used |
| 65 | PPL | 1670 | HO2S High Signal [Bank 2 Sensor 2] |
| 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 | LT GRN/BLK | 1745 | Fuel Injector 2 Control |
| 77 | YEL/BLK | 846 | Fuel Injector 6 Control |
| 78 | -- | -- | Not Used |
| 79 | WHT | 687 | 3-2 Shift Solenoid Valve Control |
| 80 | GRY | 720 | Low Reference |

Powertrain Control Module (PCM) - C2



| Connector Part Information | | <ul style="list-style-type: none"> • 12191488 • 80-Way F Micro-Pack 100W Sealed (NAT) | |
|-----------------------------------|------------|---|---|
| Pin | Wire Color | Circuit No. | Function |
| 1 | BLK/WHT | 451 | Ground |
| 2 | BRN | 418 | TCC PWM Solenoid Valve Control |
| 3-5 | -- | -- | Not Used |
| 6 | RED/BLK | 1228 | PC Solenoid Valve High Control (Sol. A) |
| 7 | RED | 1676 | EGR Valve Supply Voltage |
| 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 Signal |
| 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 23 | -- | -- | Not Used |
| 24 | DK BLU | 417 | TP Sensor Signal |
| 25 | TAN | 472 | IAT Sensor Signal |
| 26 | WHT | 423 | IC Timing Control |
| 27 30 | -- | -- | Not Used |
| 31 | YEL | 492 | MAF Sensor Signal |
| 32 | LT GRN | 432 | MAP Sensor Signal |
| 33 | DK GRN | 1614 | Recirculation Door Control |
| 34 | DK GRN/WHT | 428 | EVAP Canister Purge Solenoid Control |
| 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 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 | Vehicle Speed Signal |
| 51 | YEL/BLK | 1227 | TFT Sensor Signal |
| 52 | GRY | 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 61 | -- | -- | Not Used |
| 62 | GRY | 773 | Transmission Range Switch Signal C |
| 63 | PNK | 1224 | Transmission Fluid Pressure Switch Signal A |
| 64 | DK GRN | 890 | Fuel Tank Pressure Sensor Signal |
| 65-75 | -- | -- | Not Used |
| 76 | LT GRN/WHT | 1749 | IAC Coil B High Control |
| 77 | LT GRN/BLK | 444 | IAC Coil B Low Control |
| 78 | LT BLU/BLK | 1748 | IAC Coil A Low Control |
| 79 | LT BLU/WHT | 1747 | IAC Coil A High Control |
| 80 | -- | -- | Not Used |