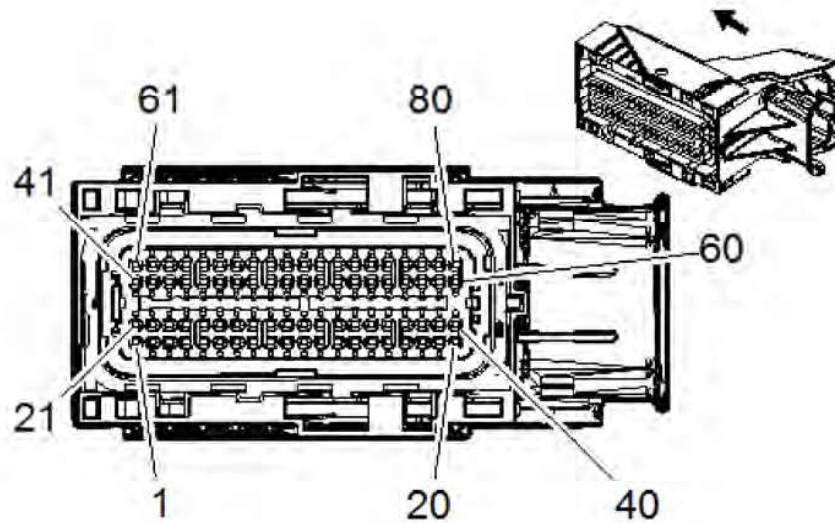


K20 Engine Control Module X2 (L77/LS3)**Connector Part Information**

- Harness Type: Engine Harness
- OEM Connector: 12603599
- Service Connector: 13579724
- Description: 73-Way F 0.64.2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

| Terminal Type ID | Terminated Lead | Diagnostic Test Probe | Terminal Removal Tool |
|------------------|-----------------|-----------------------|-----------------------|
| I | Pending | Pending | Pending |

K20 Engine Control Module X2 (L77/LS3)

| Pin | Size | Color | Circuit | Function | Terminal Type ID | Option |
|-----|------|-------|---------|---|------------------|--------|
| 1 | - | - | - | Not Occupied | - | - |
| 2 | 0.5 | VT/BU | 6270 | Crankshaft 60X Sensor Voltage | I | - |
| 3 | 0.5 | BN/RD | 2701 | Throttle Position Sensor 5 Volt Reference | I | - |

| Pin | Size | Color | Circuit | Function | Terminal Type ID | Option |
|-------|------|-------|---------|---|------------------|---------|
| 4 | - | - | - | Not Occupied | - | - |
| 5 | 0.75 | BN/WH | 582 | Throttle Actuator Control Close | I | - |
| 6 | 0.75 | YE | 581 | Throttle Actuator Control Open | I | - |
| 7 | - | - | - | Not Occupied | - | - |
| 8 | 0.5 | GN/BU | 428 | EVAP Canister Purge Solenoid Control | I | - |
| 9 | 0.5 | GY | 5493 | Cylinder Shutoff Solenoid Control (3) | I | L77+MYC |
| 10 | 0.5 | BU | 5491 | Cylinder Shutoff Solenoid Control (1) | I | L77+MYC |
| 11 | 0.5 | GN/BN | 1652 | Reverse Lockout Solenoid Control | I | MER |
| | | YE/BU | 5494 | Cylinder Shutoff Solenoid Control (4) | I | L77+MYC |
| 12 | 0.5 | GY/WH | 3113 | Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1) | I | - |
| 13 | 0.5 | GN/YE | 3212 | Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1) | I | - |
| 14 | 0.5 | GN | 5492 | Cylinder Shutoff Solenoid Control (2) | I | L77+MYC |
| 15-16 | - | - | - | Not Occupied | - | - |
| 17 | 0.75 | BN/GY | 878 | Fuel Injector Control (8) | I | - |
| 18 | 0.75 | BN/GN | 845 | Fuel Injector Control (5) | I | - |
| 19 | 0.75 | BN/BU | 846 | Fuel Injector Control (6) | I | - |
| 20 | 0.75 | GN/YE | 1744 | Fuel Injector Control (1) | I | - |
| 21 | 0.5 | BU | 410 | Engine Coolant Temperature Sensor Signal | I | - |
| 22 | 0.5 | BK/BN | 2761 | Coolant Temperature Sensor Low Reference | I | - |
| 23 | 0.5 | BN/BU | 357 | Oil Temperature Sensor Signal | I | - |
| 24 | 0.5 | BK/BN | 6273 | Oil Temperature Sensor Low Reference | I | - |

| Pin | Size | Color | Circuit | Function | Terminal Type ID | Option |
|-------|------|-------|---------|--|------------------|--------|
| 25 | - | - | - | Not Occupied | - | - |
| 26 | 0.5 | VT/GY | 496 | Knock Sensor Signal (1) | I | - |
| 27 | 0.5 | BK/YE | 1716 | Knock Sensor Low Reference (1) | I | - |
| 28 | - | - | - | Not Occupied | - | - |
| 29 | 0.5 | WH/GY | 1876 | Knock Sensor Signal (2) | I | - |
| 30 | 0.5 | BK/GY | 2303 | Knock Sensor Low Reference (2) | I | - |
| 31 | - | - | - | Not Occupied | - | - |
| 32 | 0.5 | GY | 23 | Generator Field Duty Cycle Signal | I | - |
| 33 | 0.5 | BN/GN | 1174 | Oil Level Switch Signal | I | - |
| 34 | 0.5 | BK/VT | 2755 | Oil Pressure Sensor Low Reference | I | - |
| 35 | 0.5 | BK/BN | 2752 | Throttle Position Sensor Low Reference | I | - |
| 36 | - | - | - | Not Occupied | - | - |
| 37 | 0.75 | YE/WH | 1745 | Fuel Injector Control (2) | I | - |
| 38 | 0.75 | BN/VT | 1746 | Fuel Injector Control (3) | I | - |
| 39 | 0.75 | BN/YE | 844 | Fuel Injector Control (4) | I | - |
| 40 | 0.75 | BN/VT | 877 | Fuel Injector Control (7) | I | - |
| 41 | 0.5 | WH/RD | 2705 | Oil Pressure Sensor 5 Volt Reference | I | - |
| 42 | - | - | - | Not Occupied | - | - |
| 43 | 0.5 | GY/RD | 2704 | Manifold Absolute Pressure Sensor 5 Volt Reference | I | - |
| 44 | 0.5 | GY/BU | 6259 | Camshaft CAM W Supply Voltage | I | - |
| 45-49 | - | - | - | Not Occupied | - | - |
| 50 | 0.5 | YE/BN | 331 | Oil Pressure Sensor Signal | I | - |
| 51-52 | - | - | - | Not Occupied | - | - |

| Pin | Size | Color | Circuit | Function | Terminal Type ID | Option |
|-------|------|-------|---------|--|------------------|--------|
| 53 | 0.5 | BK/GN | 469 | Manifold Absolute Pressure Sensor Low Reference | I | - |
| 54-55 | - | - | - | Not Occupied | - | - |
| 56 | 0.5 | WH/BK | 3111 | Heated Oxygen Sensor Low Signal Bank 1 Sensor (1) | I | - |
| 57 | 0.5 | WH/GY | 3110 | Heated Oxygen Sensor High Signal Bank 1 Sensor (1) | I | - |
| 58 | 0.5 | GN/WH | 432 | Manifold Absolute Pressure Sensor Signal | I | - |
| 59 | 0.5 | VT/WH | 3210 | Heated Oxygen Sensor High Signal Bank 2 Sensor (1) | I | - |
| 60 | 0.5 | YE/WH | 3211 | Heated Oxygen Sensor Low Signal Bank 2 Sensor (1) | I | - |
| 61 | 0.5 | BN | 25 | Charge Indicator Control | I | - |
| 62 | - | - | - | Not Occupied | - | - |
| 63 | 0.5 | BN/BU | 486 | Throttle Position Sensor Signal (2) | I | - |
| 64 | 0.5 | YE/VT | 6265 | Camshaft CAM W Signal | I | - |
| 65 | 0.5 | BN/GN | 485 | Throttle Position Sensor Signal (1) | I | - |
| 66 | 0.5 | GN/BK | 6266 | Camshaft CAM W Ground | I | - |
| 67 | - | - | - | Not Occupied | - | - |
| 68 | 0.5 | GN | 6271 | Crankshaft 60X Sensor Signal | I | - |
| 69 | 0.5 | BK/VT | 6272 | Crankshaft 60X Sensor Low Reference | I | - |
| 70 | 0.5 | BU/WH | 2121 | Ignition Control (1) | I | - |
| 71 | 0.5 | VT/WH | 2128 | Ignition Control (8) | I | - |
| 72 | 0.5 | GN/GY | 2127 | Ignition Control (7) | I | - |
| 73 | 0.5 | BU/WH | 2122 | Ignition Control (2) | I | - |
| 74 | 0.5 | BN/BU | 2126 | Ignition Control (6) | I | - |
| | | | | | | |

| Pin | Size | Color | Circuit | Function | Terminal Type ID | Option |
|-----|------|-------|---------|---------------------------------------|------------------|--------|
| 75 | 0.5 | BU/GY | 2125 | Ignition Control (5) | I | - |
| 76 | 0.5 | YE/BU | 2124 | Ignition Control (4) | I | - |
| 77 | 0.5 | GN/BU | 2123 | Ignition Control (3) | I | - |
| 78 | 0.5 | BK/BU | 2129 | Ignition Control Low Reference Bank 1 | I | - |
| 79 | 0.5 | BK/GY | 2130 | Ignition Control Low Reference Bank 2 | I | - |