- Voltage Values

**Connector View**

**GROUNDS**

KEY ON

- Pin 6 to G1: 0.0 - 0.02V
- Pin 28 to G1: 0.0 - 0.02V
- Pin 34 to G1: 0.0 - 0.02V
- Pin 55 to G1: 0.0 - 0.02V

**BATTERY SUPPLY**

Pin 26 to 34

- KEY OFF: 11 - 13V
- KEY ON: 11 - 13V

**MAIN RELAY SUPPLY**

Pin 54 to 34

- Key OFF: 0V
- Key ON: 11 - 13V

**REFERENCE SUPPLY**

Pin 59 to 28

- Key ON: 4.5 - 5.5V

**COOLANT TEMPERATURE SENSOR**

Pin 78 to 57

- 68°F: 1.5 - 2.0V
- 176°F - 194°F: 0.3 - 0.8V
AIR TEMPERATURE SENSOR
Pin 77 to 57

68°F  1.5 - 2.0V
104°F - 122°F  1.0 - 1.5V

IGNITION SWITCH
Key ON

Pin 56 to 34  11 - 13V
Cranking
Pin 56 to 34  9.6 - 10.5V

AIR CONDITIONER CONTROL
Engine idling

Pin 64 to 55 (A/C on)  11 - 13V
Pin 65 to 55 (A/C on)  11 - 13V

THROTTLE POSITION SENSOR
Pin 73 to 44

Closed  0.2 - 0.7V
Opened  1.0 - 4.0V
Full Load  4.0 - 4.5V

AIR FLOW SENSOR
Key ON

Pin 59 to 14 (supply)  4.5 - 5.5V
Pin 41 to 14 (load)  1.0 - 1.5V
Engine Idling
Pin 59 to 14 (supply)  4.5 - 5.5V
Pin 41 to 14 (load)  2.15 - 2.35V

FUEL PUMP RELAY
Pin 1 to 6
Key ON 11 - 13V
Cranking 0.0 - 2.0V
Idling 0.0 - 2.0V

**EVAPORATIVE PURGE VALVE**

Pin 36 to 34 (KEY ON) 0.0 - 0.2V

**OXYGEN SENSOR**

Pin 13 to 40

Key ON 0.4 - 0.5V
Engine Idling 0.1 - 0.8V

**OXYGEN SENSOR HEATER**

Pin 34 to 38

Engine Idling 0.0 - 1.0V