Valve Casing

Pipe-Gas (Fuel Purge)

Pipe-Gas (LOX Purge)

VCC

GND

Pump Electrical

Pump Electrical

Thermocouple Casing

Signal-In

Pipe-Electrical

Pipe-Electrical

Relay Module

Nitrogen Gas

Pressure Transducer Casing

Pump Assembly

Pump Assembly

Oxidizer Inlet

Pressure Transducer Casing

GND

VCC

Signal-In

Relay Module

3

Pipe-Electrical

Pipe-Electrical

Valve Casing

Valve Casing

3

Pipe-Propellant

Pipe-Propellant

4

4

GND

VCC

Signal-In

Relay Module

Pipe-Electrical

CLK

VCC

CS

DO

AD595 Thermocouple Amplifier

Thermocouple Casing

Pipe-Electrical

ECU Power Supply Assembly

VCC

Pipe-Electrical

CS

DO

CLK

ECU

AD595 Thermocouple Amplifier

Fuel Inlet