Valve Casing

Pipe-Gas (Fuel Purge)

Pipe-Gas (LOX Purge)

VCC

GND

Thermocouple Casing

Signal-In

Pipe-Electrical

Pipe-Electrical

Relay Module

Nitrogen Gas

Pressure Transducer Casing

Oxidizer Inlet

Pressure Transducer Casing

GND

VCC

Signal-In

Relay Module

3

Pipe-Electrical

Pipe-Electrical

Valve Casing

Valve Casing

3

Pipe-Propellant-Line

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

Pipe-Propellant-Line

Pressurizer