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| **X1 (Strain Gauge)** | |
| Pin 4 | Vs |
| Pin 3 | +In |
| Pin 2 | -In |
| Pin 1 | GND |

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| **X2 (Not Used)** |

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| **X3 (Thermocouple)** | |
| Pin 1 | +In |
| Pin 2 | -In |
| Pin 3 | GND |

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| **X4 (Valve External)** | |
| Pin 4 | +V external |
| Pin 3 | +V external |
| Pin 2 | +V Solenoid |
| Pin 1 | GND |

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| **X5 (Power In)** | |
| Pin 1 | Vs |
| Pin 2 | GND |

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| **X6 (Amplifier Output)** | |
| Pin 1 | TP7: Pressure |
| Pin 2 | TP6: Strain Gauge |
| Pin 3 | TP5: Thermocouple |
| Pin 4 | TP4: Valve Open/Close |
| Pin 5 | Tied to GND |

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| **X7 (Pressure Sensor)** | |
| Pin 4 | Vs |
| Pin 3 | +In |
| Pin 2 | -In |
| Pin 1 | GND |

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| **X8 (Valve Control)** | |
| Pin 1 | Valve Control |
| Pin 2 | GND |

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| **Test Points** | |
| TP1 | Pressure: Stage1 |
| TP2 | +5V |
| TP3 | +12V |
| TP4 | Valve On (Negative Logic) |
| TP5 | Thermocouple Output |
| TP6 | Strain Gauge |
| TP7 | Pressure Sensor |
| TP8 | GND |
| TP9 | Strain Gauge: Stage1 |
| TP10 | Valve Control |



