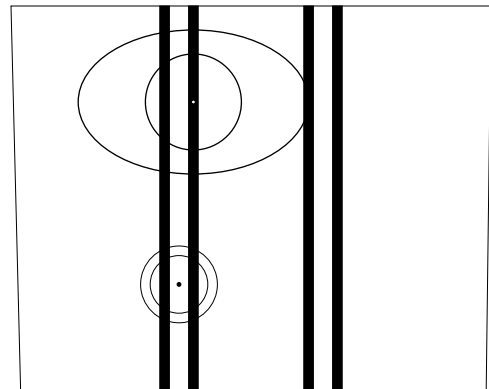
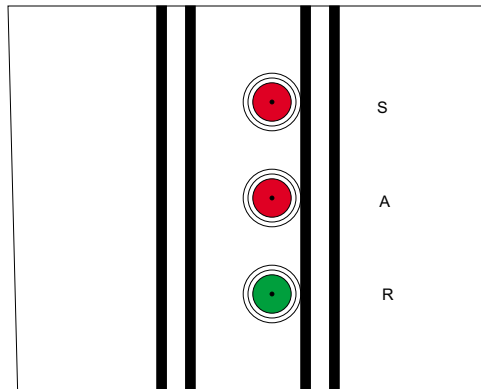
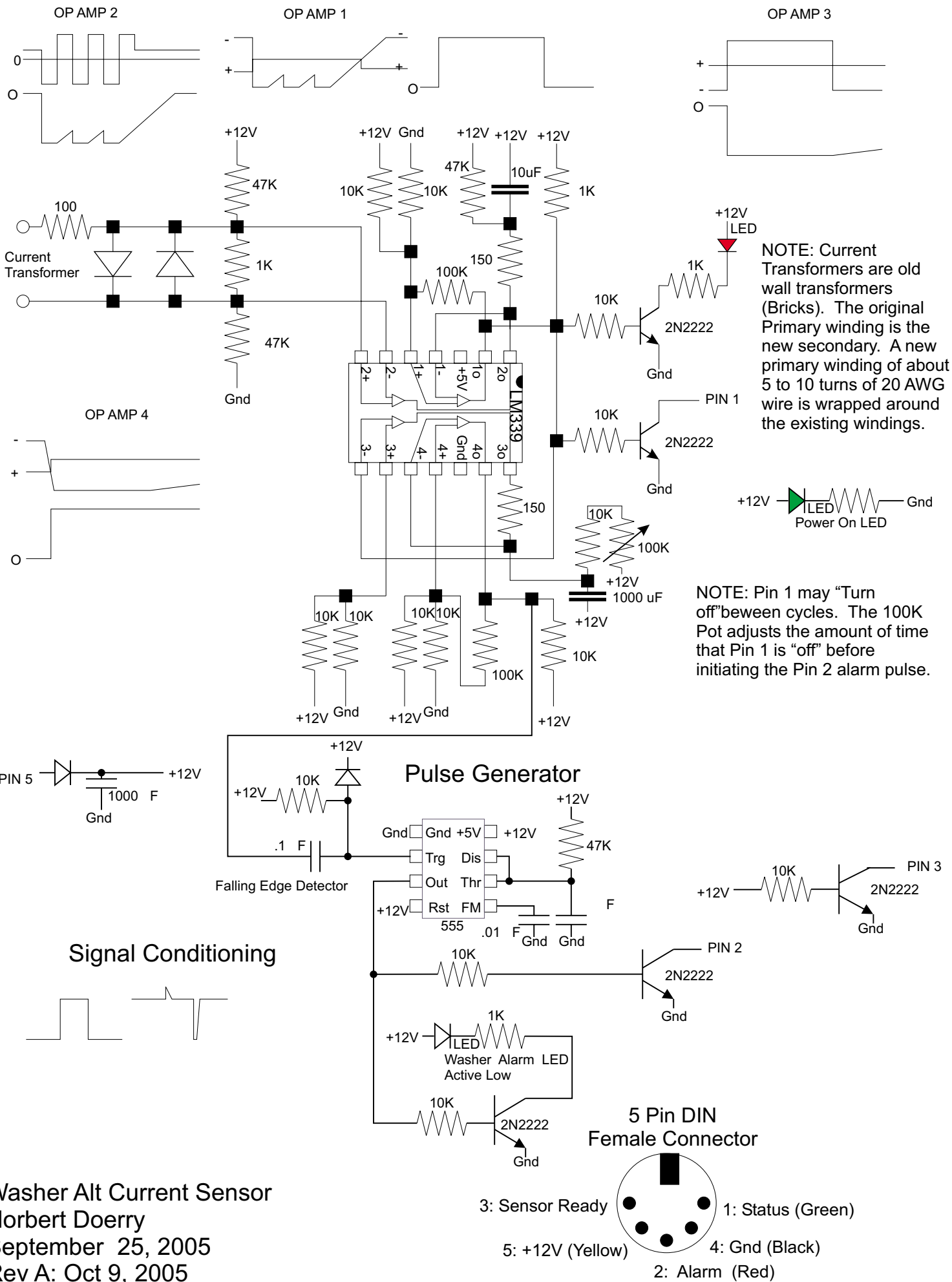


NOTE: Component Positions are approximate



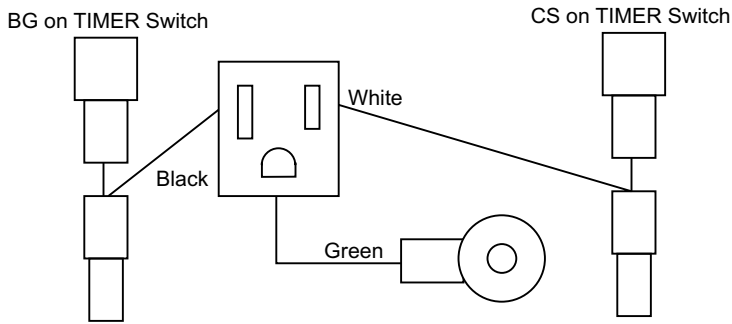
Washer Alt Current Sensor Layout
 Norbert Doerry
 September 25, 2005
 Rev A: Oct 28, 2005



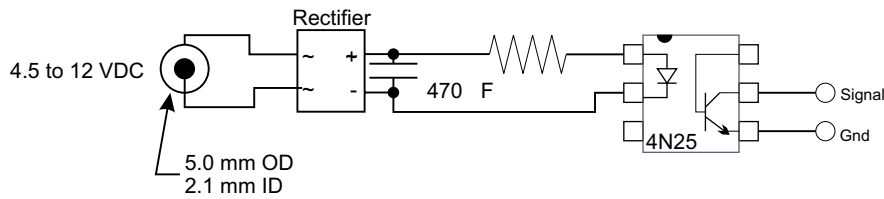
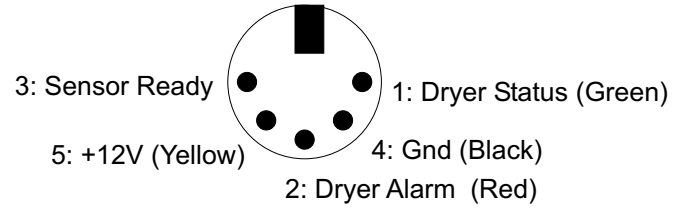
NOTE: Current Transformers are old wall transformers (Bricks). The original Primary winding is the new secondary. A new primary winding of about 5 to 10 turns of 20 AWG wire is wrapped around the existing windings.

NOTE: Pin 1 may "Turn off" between cycles. The 100K Pot adjusts the amount of time that Pin 1 is "off" before initiating the Pin 2 alarm pulse.

Dryer Modification

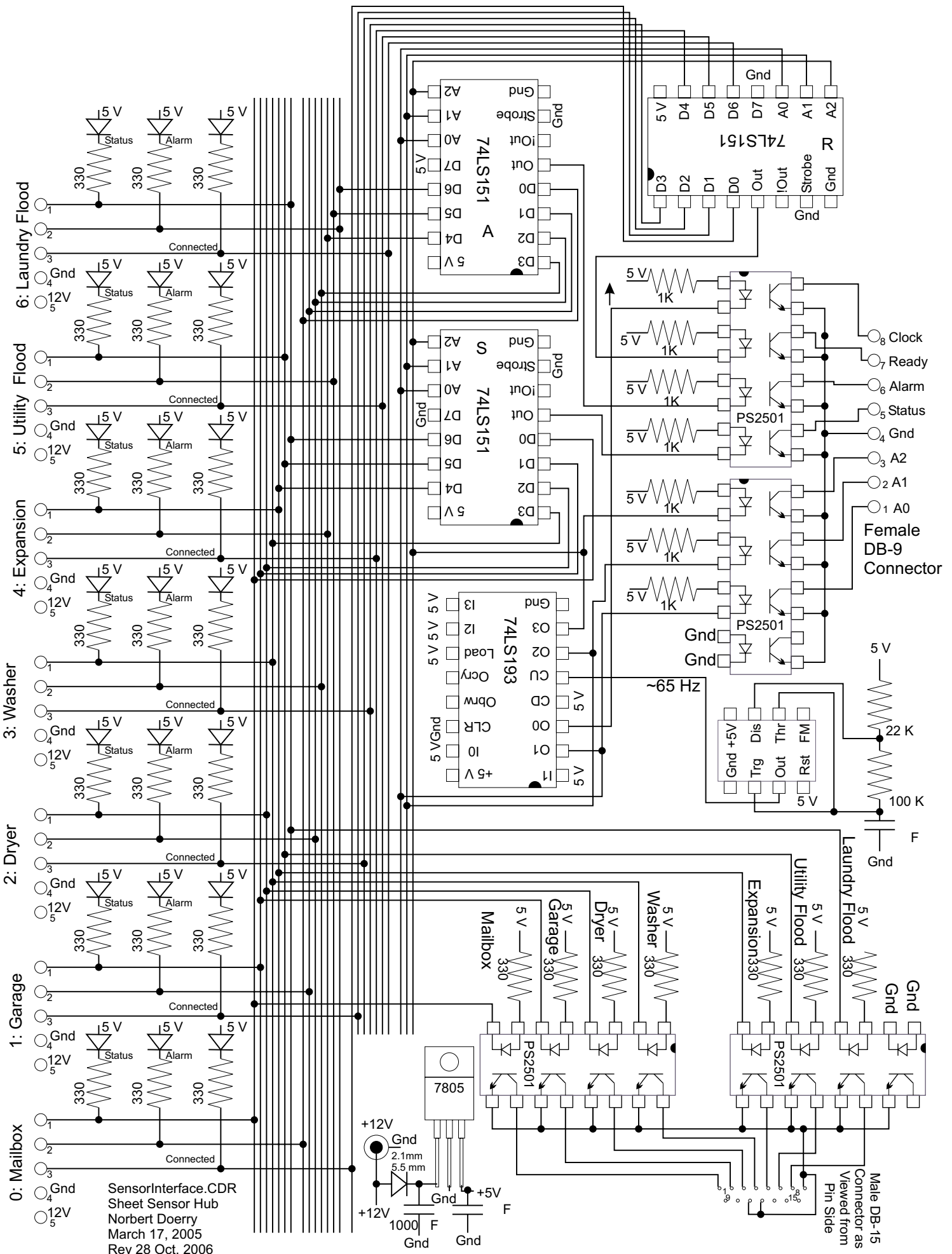


5 Pin DIN Female Connector



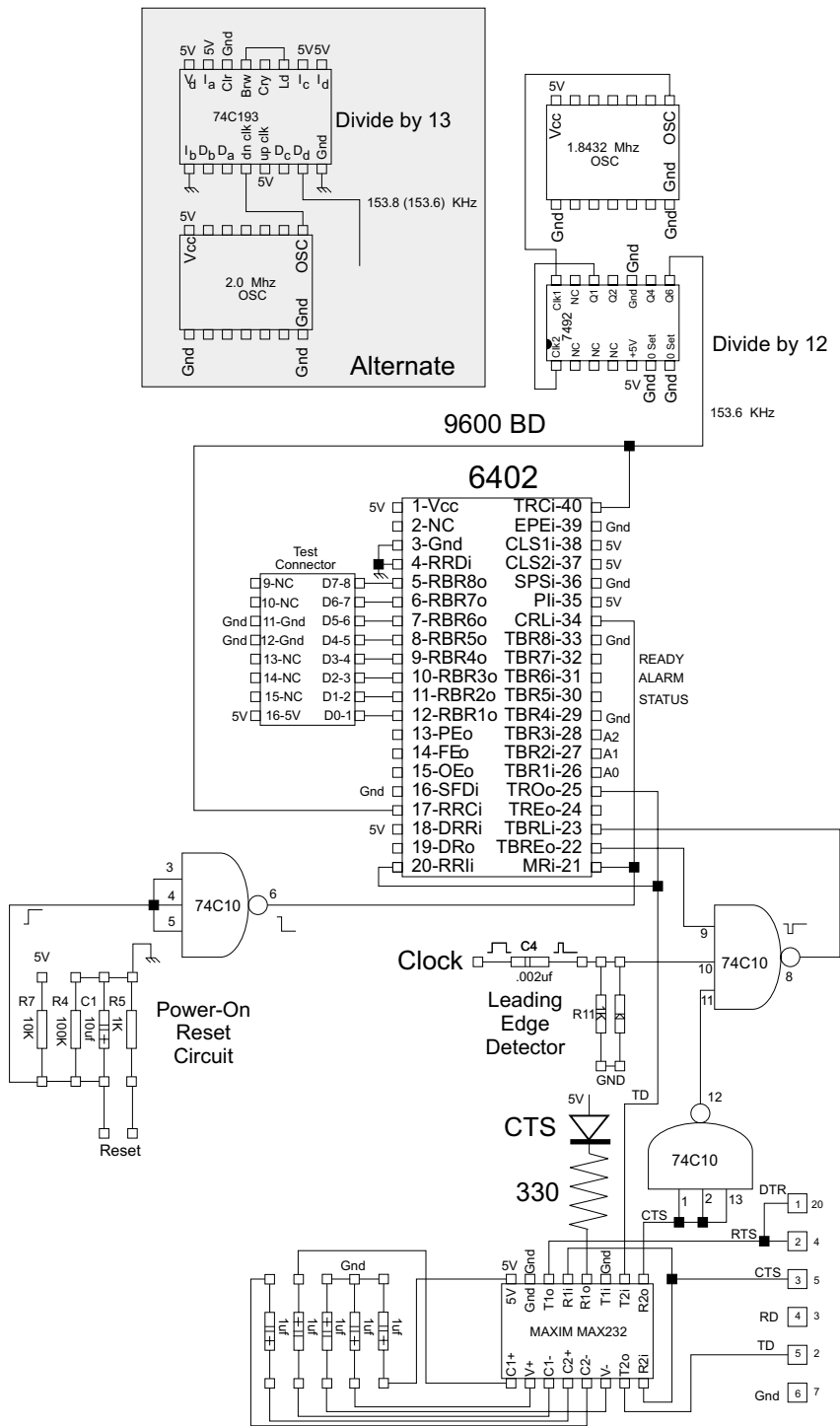
NOTE: Transformer plugs into back of Dryer in the outlet added by the modification described above. It connects to the circuit via the coaxial DC power plug (- center).

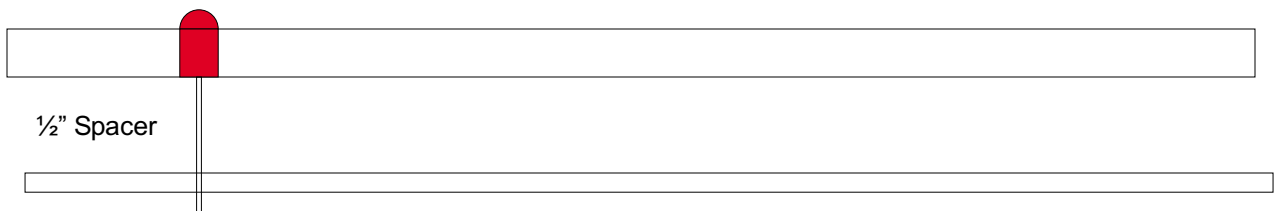
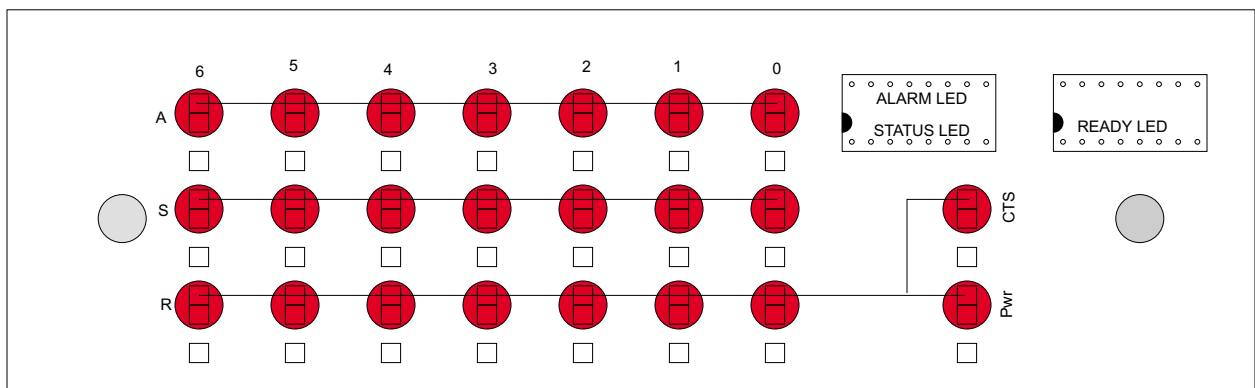
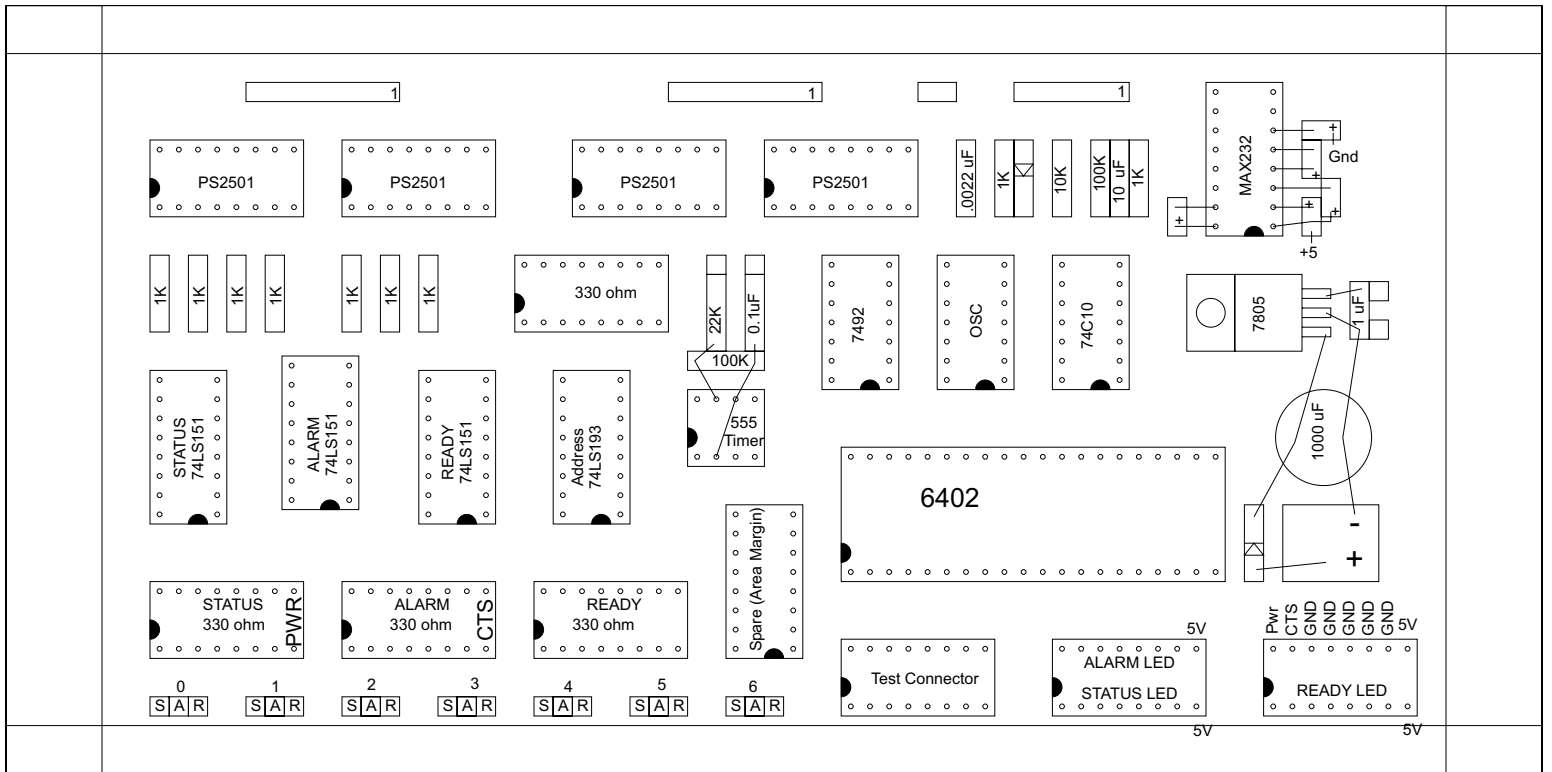
Circuit is installed in "35mm Film Container" with "pigtaills" to connect to General Sensor input

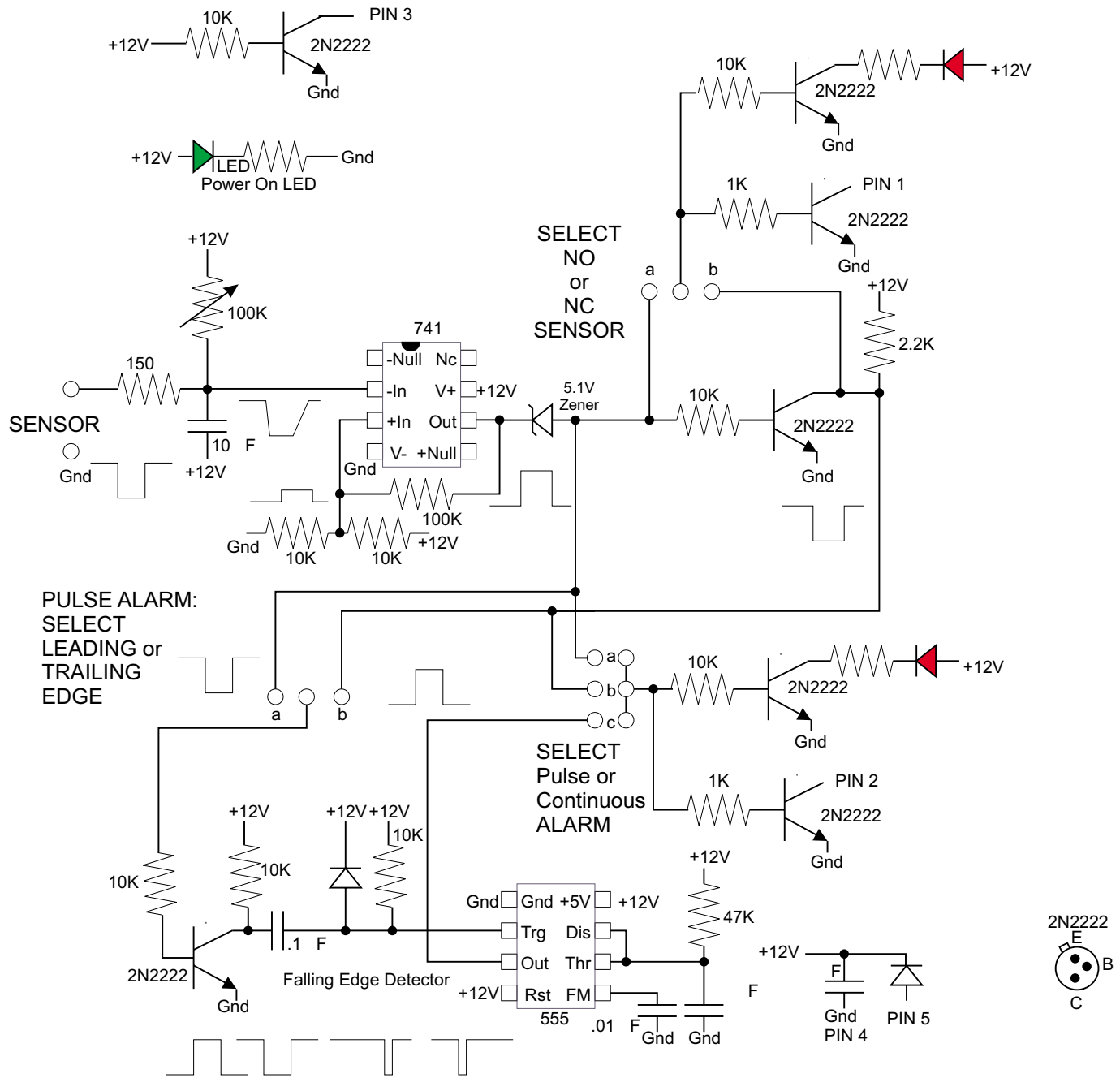


SensorInterface.CDR
Sheet Sensor Hub
Norbert Doerry
March 17, 2005
Rev 28 Oct, 2006

Male DB-15
Connector as
Viewed from
Pin Side







SENSOR:

Flooding: Two Electrodes <Pin 1 NO Sensor, Pin 2 Continuous NO Sensor>

Mailbox: Likely will be reed switch that is "off" when door is shut <Pin 1 NO Sensor, Pin 2 Pulsed, Falling Edge>

Garage: Likely will be reed switch that is "off" when door is shut <Pin 1 NO Sensor, Pin 2 Pulsed, Falling Edge>

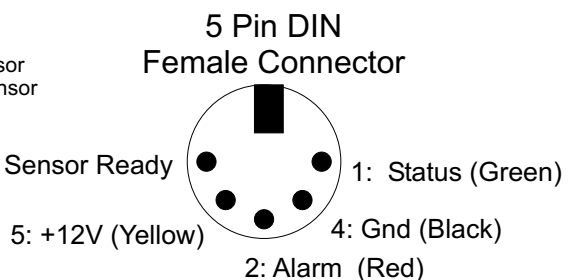
Dryer: Voltage Interface <Pin 1 NO Sensor, Pin 2 Pulsed, Rising Edge>

- | | | | |
|---|---|---|---|
| b | o | o | a |
| o | o | o | a |
| c | o | o | a |
| o | o | o | a |

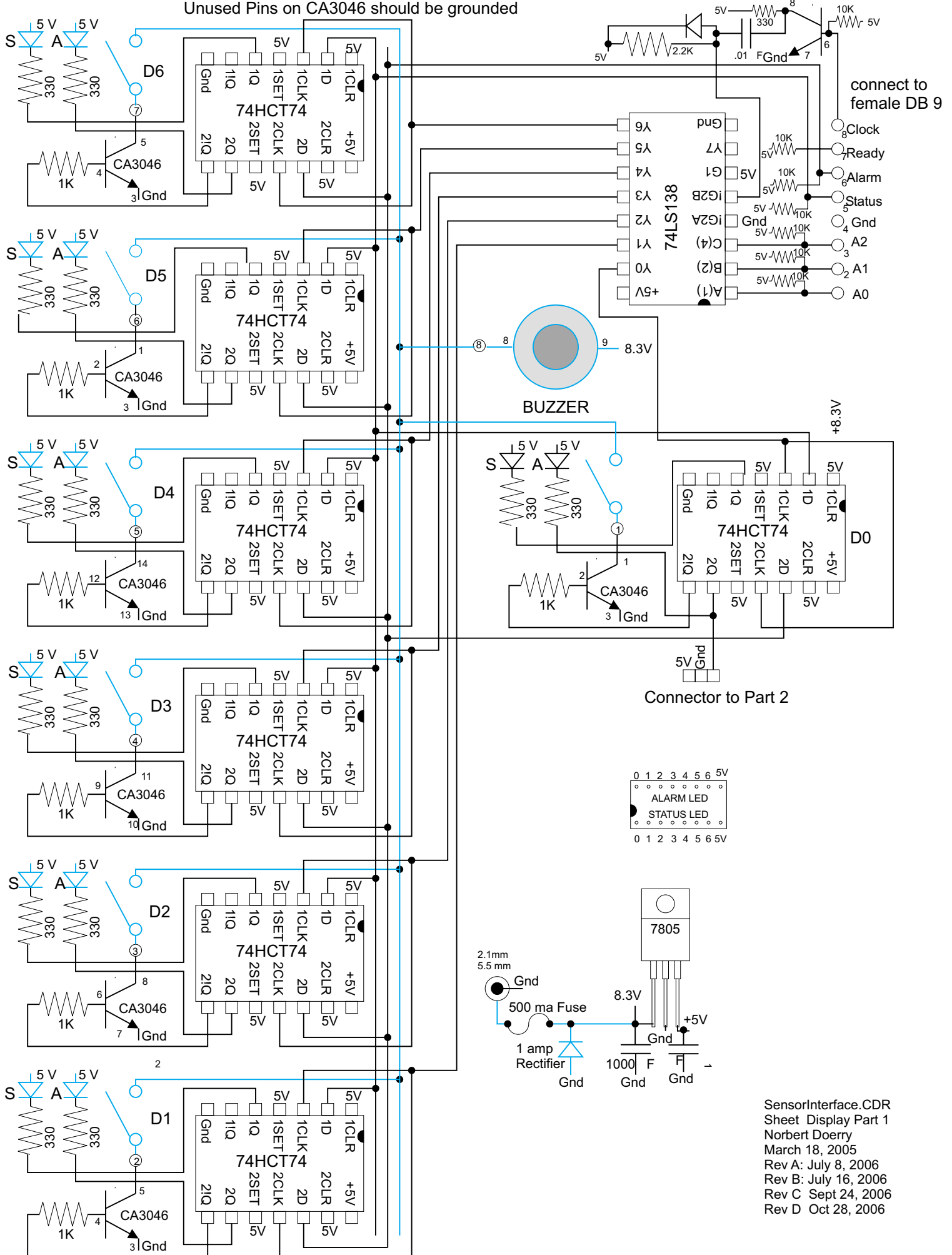
 a = Pin 1 Normally Open (NO) Sensor
 b = Pin 1 Normally Closed (NC) Sensor
- | | | | |
|---|---|---|---|
| o | o | o | a |
| c | o | o | a |

 a = Pin 2 Continuous Normally Open (NO) Sensor
 b = Pin 2 Continuous Normally Closed (NC) Sensor
 c = Pin 2 Pulsed Alarm
- | | | | |
|---|---|---|---|
| b | o | o | a |
| o | o | o | a |

 a = Pulse Alarm on Falling Edge of Sensor
 b = Pulse Alarm on Rising Edge of Sensor

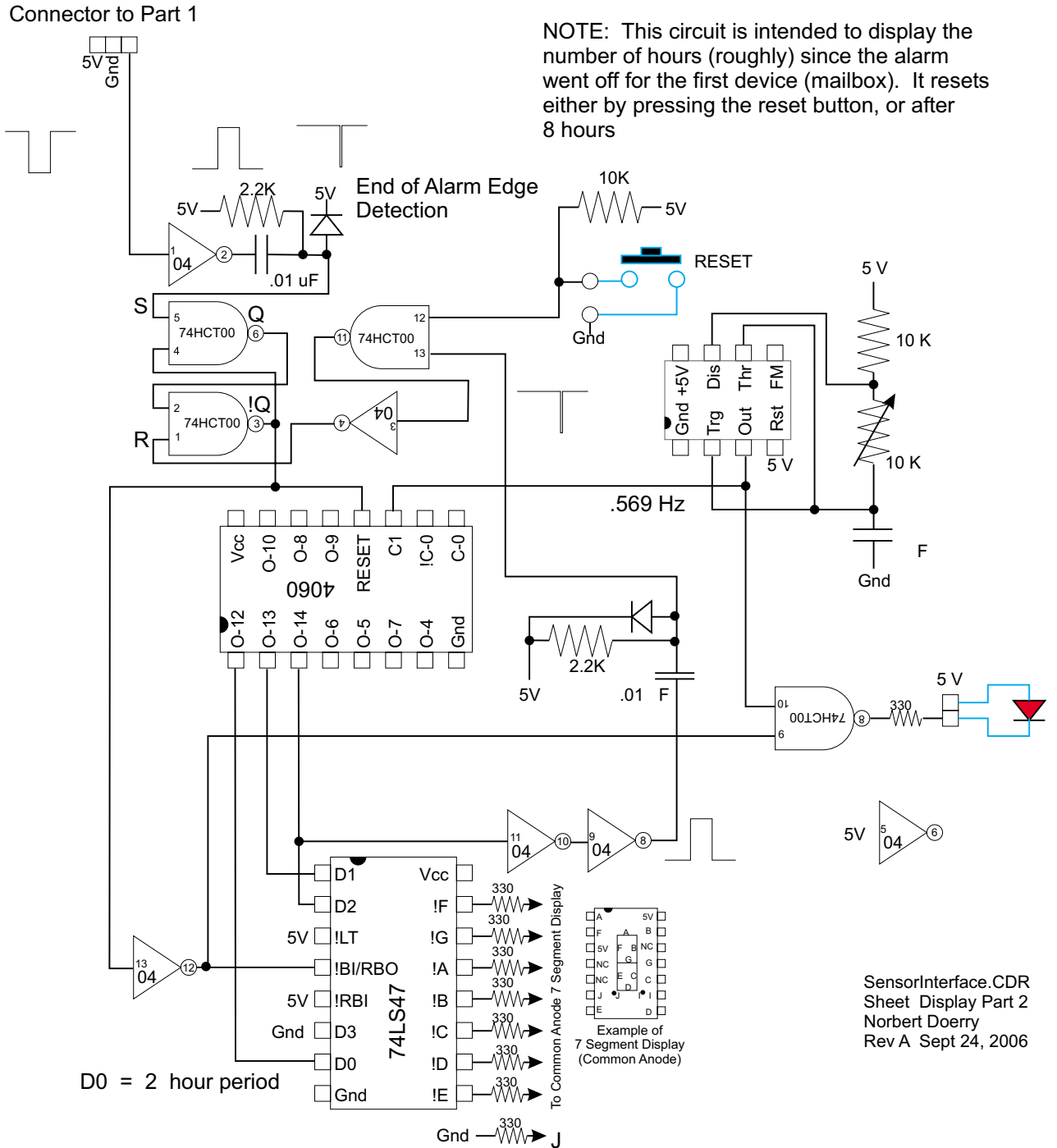


Unused Pins on CA3046 should be grounded

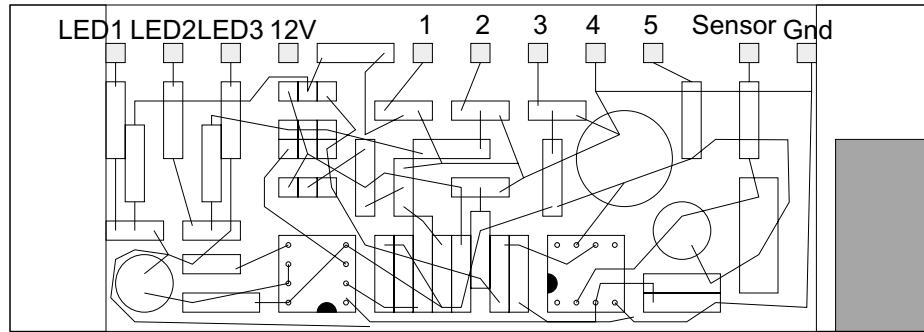


SensorInterface.CDR
 Sheet Display Part 1
 Norbert Doerry
 March 18, 2005
 Rev A: July 8, 2006
 Rev B: July 16, 2006
 Rev C: Sept 24, 2006
 Rev D: Oct 28, 2006

Note: Every 74LSXX series has a .01 uF despiking Capacitor

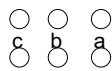


Note: Every 74LSXX series has a .01 uF despiking Capacitor



a = Pin 1 Normally Open (NO) Sensor
 b = Pin 1 Normally Closed (NC) Sensor

NOTE: Component Positions are approximate

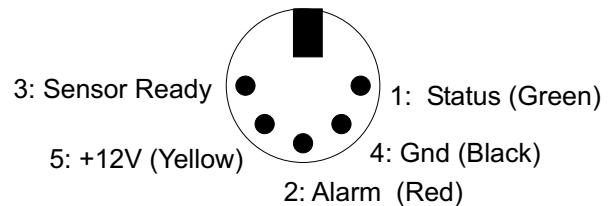


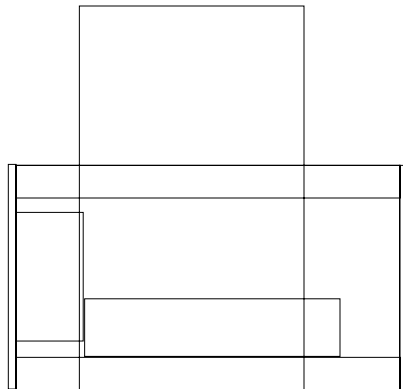
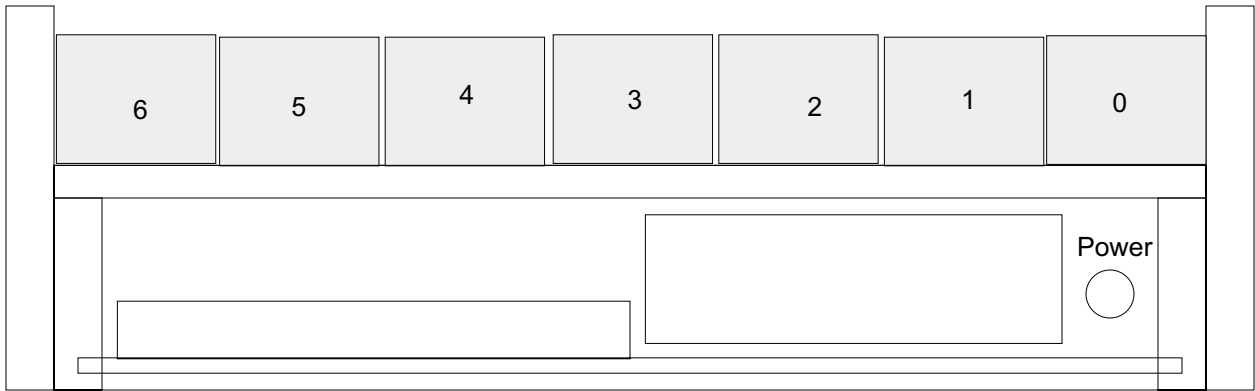
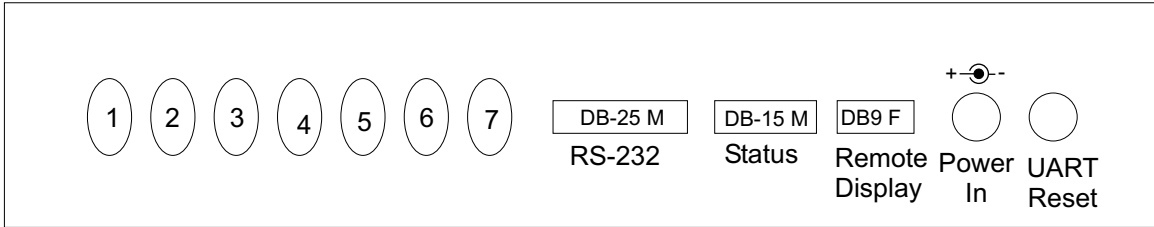
a = Pin 2 Continuous Normally Open (NO) Sensor
 b = Pin 2 Continuous Normally Closed (NC) Sensor
 c = Pin 2 Pulsed Alarm



a = Pulse Alarm on Falling Edge of Sensor
 b = Pulse Alarm on Rising Edge of Sensor

5 Pin DIN
 Female Connector





1/3 scale

Sensor 0
 Flash LED

