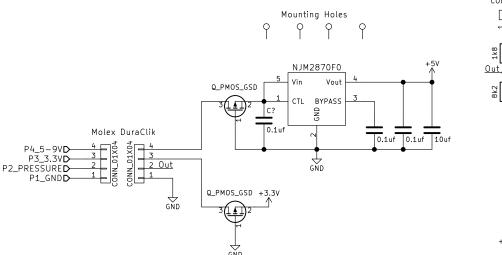


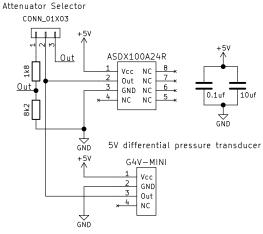
Comments:

Q1 and Q2 are reverse polarity protection transistors. They are P-Channel Mosfets, so they have a very small resistance when on. Care should be taken in their selection so that their V-GS threshold is under 1v

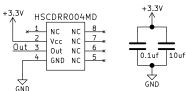
U2 is a 5v regulator for the 5v pressure transducer. The output of U3 goes through a selectable attenuator for a full 5v output or a 3.3v output.

## 5V absolute pressure transducer





3.3V differential pressure transducer



Full schematics with reference numbers are in the pressure\_sensor folder in the supermileagehw git repo at https://bitbucket.org/nebk/supermileagehw

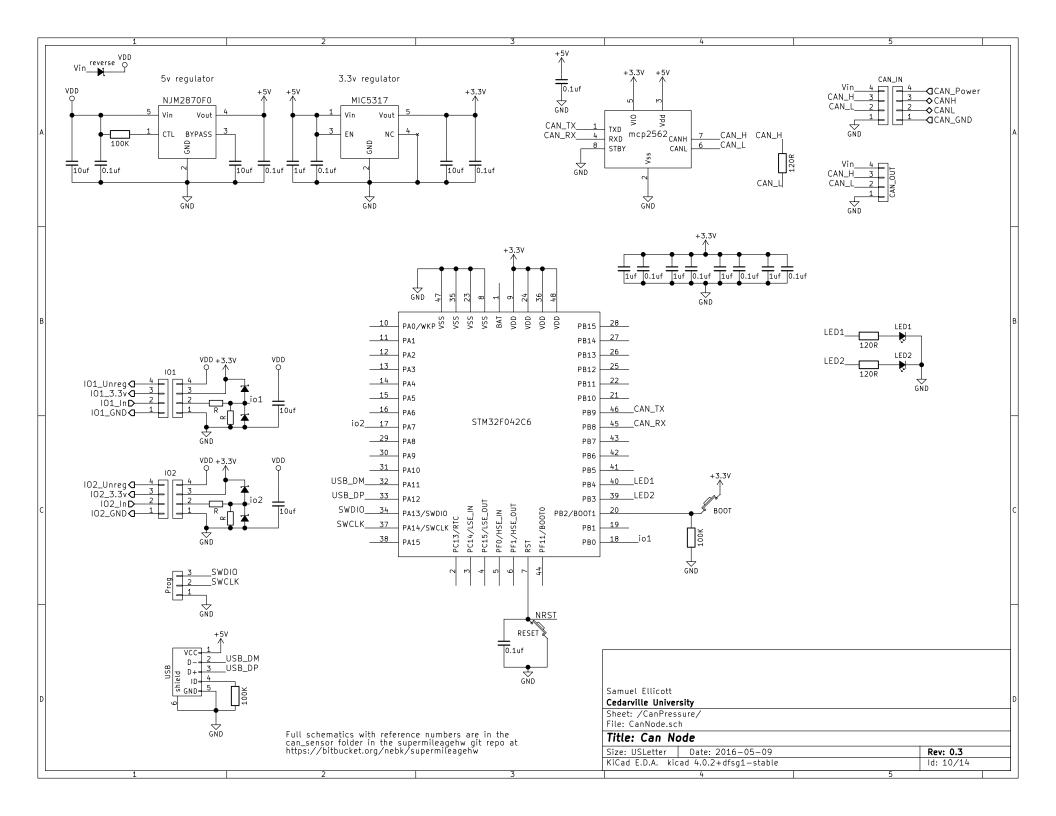
Sam Ellicott

Cedarville University

Sheet: /Pitot/ File: Pressure.sch

Title: Pressure Sensor

Size: USLetter	Date: 2016-10-20	Rev: 2
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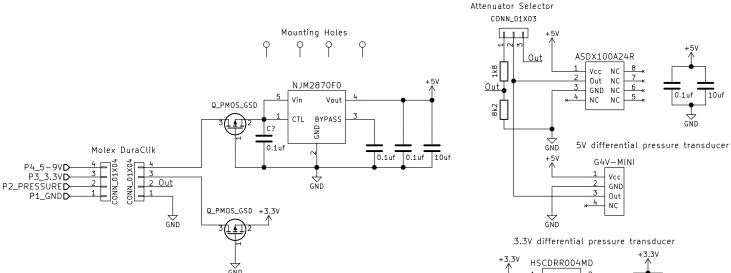


Comments:

Q1 and Q2 are reverse polarity protection transistors. They are P-Channel Mosfets, so they have a very small resistance when on. Care should be taken in their selection so that their V-GS threshold is under 1v

U2 is a 5v regulator for the 5v pressure transducer. The output of U3 goes through a selectable attenuator for a full 5v output or a 3.3v output.

## 5V absolute pressure transducer



Sam Ellicott

GND

#### Cedarville University

Sheet: /HighP\_EFI/ File: Pressure.sch

### Title: Pressure Sensor

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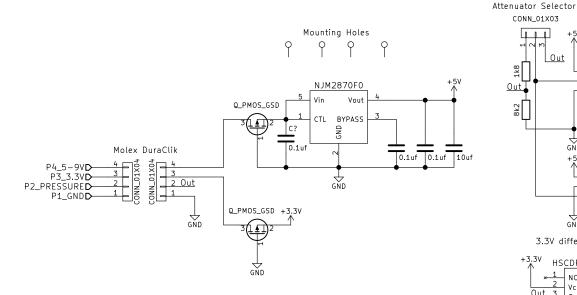
Full schematics with reference numbers are in the pressure\_sensor folder in the supermileagehw git repo at https://bitbucket.org/nebk/supermileagehw

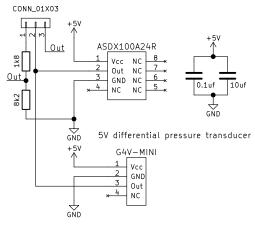
Comments:

Q1 and Q2 are reverse polarity protection transistors. They are P-Channel Mosfets, so they have a very small resistance when on. Care should be taken in their selection so that their V-GS threshold is under 1v

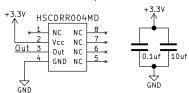
U2 is a 5v regulator for the 5v pressure transducer. The output of U3 goes through a selectable attenuator for a full 5v output or a 3.3v output.

## 5V absolute pressure transducer





3.3V differential pressure transducer



Sam Ellicott

### Cedarville University

Sheet: /LowP\_EFI/ File: Pressure.sch

# Title: Pressure Sensor

Title: Tressure Sensor			
Size: USLetter	Date: 2016-10-20	Rev: 2	
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Full schematics with reference numbers are in the pressure\_sensor folder in the supermileagehw git repo at https://bitbucket.org/nebk/supermileagehw

