

7.4

1317 only needs to apply $\leq 9.8V$ but could apply up to $13.75V$ Max $15V$ P-

P_{max} output = $3W$, I_0 too low.

I_{max} output = $1.5A$, okay

TOP VIEW

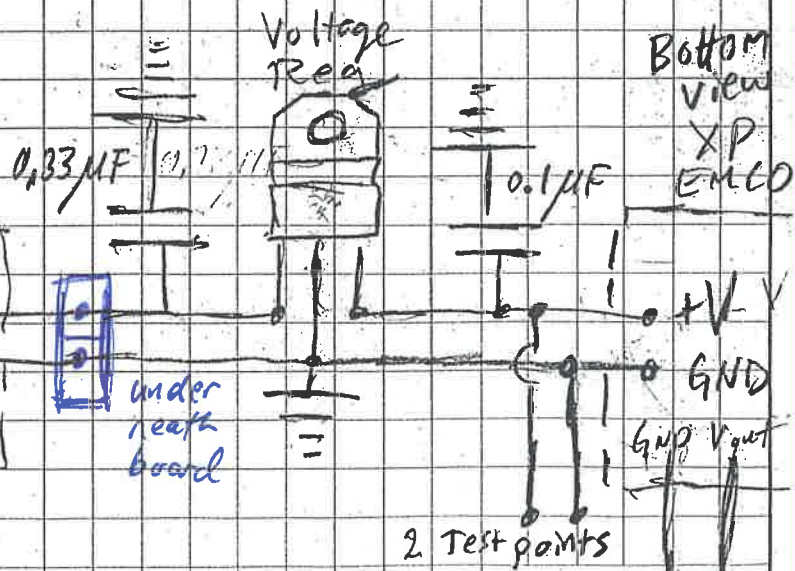
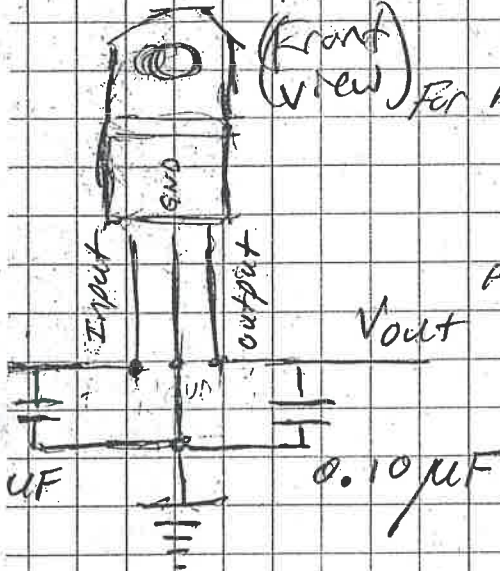
(Front view)

LM7805CV 5V Voltage Reg. 2A

For high current keep $V_{in} = V_{out} + 2V$

LM7812CV 12V Voltage Reg. 1A

For high current keep $V_{in} = V_{out} + 2V$



underneath board

2 Test points

To Page No

& Understood by me,

Date

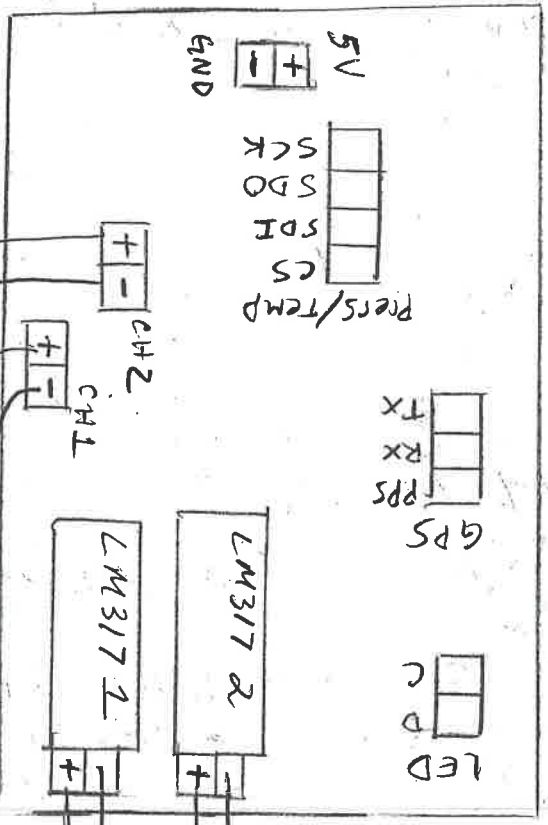
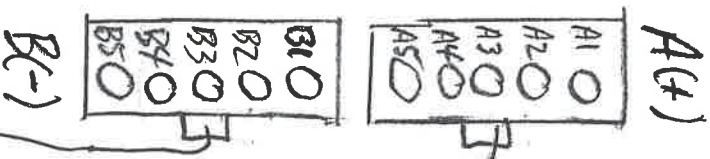
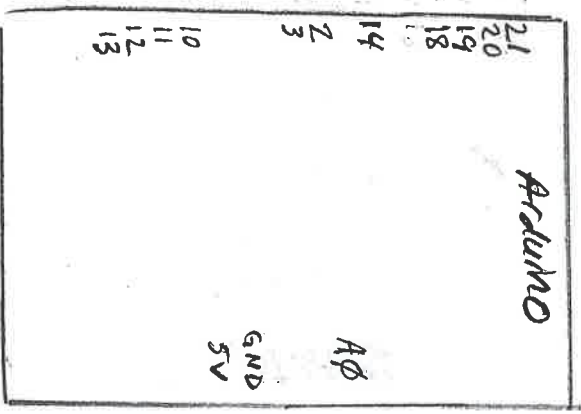
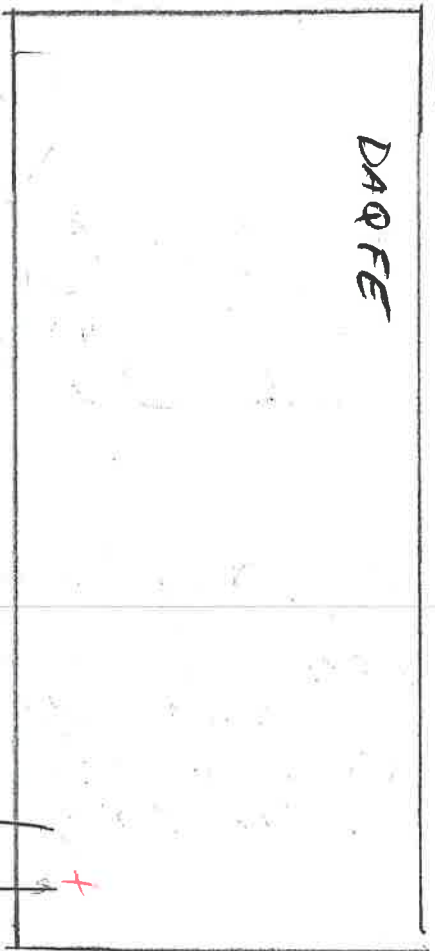
Invented by:

Date

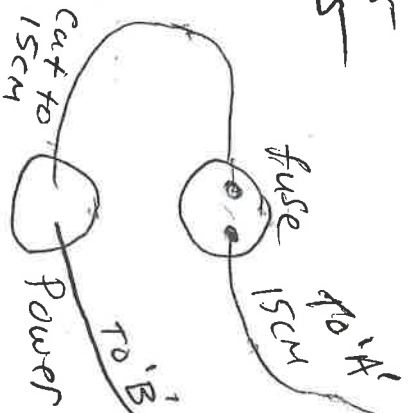
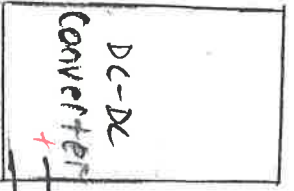
Recorded by:

PMT

DAQ wiring



MICROCANX PMT 2
MICROCANX PMT 1



DAQ wiring

E _____
Page No. _____

22 gauge wires needed:

Black ~~6cm (1)~~, 10cm (3), 14cm (1), 30cm (2)

Red ~~6cm (1)~~, 10cm (3), 14cm (1), 30cm (2)

plus cut 15cm off power jack red wire to use

Arduino 12" jumper wires needed:

Black (1), Red (1) for 5V & GND ^{Arduino} to perfboard

4 conductor strand from pressure/temp sensor ~~to perfboard~~
pin 13 to SCK, pin 12 to SDO, pin 11 to SDI, pin 10 to CS

3 conductor strand from GPS
pin 3 to PPS, pin 18 (Tx 1) to RX, pin 19 (Rx 1) to TX

- 3 conductor strand from DAQ FE
pin A0 to PK, pin 14 (Tx 3) to RST, pin 2 to TRG

- 2 conductor strand from LED Backpack counter
pin 20 (SDA) to 'D'
pin 21 (SCL) to 'C'

