

Team #5 meeting with Team#4

People in the meeting =

Team 5:

Camden Osborn
Abdullah Almarzoug
Thomas Courey

Team 4

Benjamin Vu
Danny Wu
Jinghan Zhang
Zhehang Zhang

Notes =

- 1) Fix the 5 ERC warnings
- 2) Adjust all trace widths to account for the 1.5 Ampc for power
- 3) Flooded grounding planes

Team 5 meeting with Andrew

Block diagram

~~Back converter Needs~~
~~to go to~~

7805 is a linear regulator

1A we are dissipating
7W

Our power supply will catch fire we need to use a switching power

12V power supply is not a connector

- Need to add a connector

5.5 12.1 power plug or 1" connector

FTDI chip

Turn on internal pullups?

- We need a voltage to check the values

I2C requires 4.7k pullups

check for on SCL SDA

Need bypass 100nf on VDD on
Stepper motor chip

make sure ms3, ms2, ms1

When relay turns on it shorts
12V - 5V

should take 12V pin to
- stepper motor psu pin

Clean up etc errors & warnings

Use pin head ~~mode~~ library
to connected

+ General feed back Flooded
- ground planes

+ Need thicker traces
Power traces must be
~~at~~ 50 mils or 100 mils

+ crystal needs to be much closer
to atmega

+ 100 nF cap that bypasses needs
C4
to be right next to the
chip

+ U\$ 1 can be moved to pins