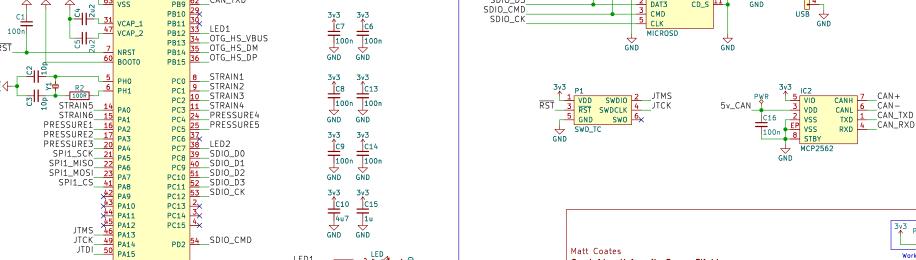
## **INTERCONNECTS:** GND GND GND GND GND GND GND GND GND PYRO\_SO 3 4 PYRO\_SO PYRO\_SI 5 6 PYRO\_SI 5v\_RADIO 7 8 PYRO1 5v\_IMU 9 10 PYRO2 5v\_AUX1 11 12 PYRO3 5v\_AUX2 13 14 PYRO4 5v\_CAM 15 16 PWR CHARGE 19 20 EAST BOT PRESSURE3 3 4 STRAIN1 SPI1\_SCK 5 6 STRAIN2 SPI1\_MISO 7 8 STRAIN3 SPI1\_MOSI 9 10 STRAIN4 PRESSURE4 11 12 STRAIN5 PRESSURE5 13 14 STRAIN6 TEMP\_INT 15 16 PRESSURE1 SPI1\_CS 17 18 PRESSURE2 SOUTH BOT 3v3\_IMU\_\_\_3\_\_4\_\_JTMS PYRO\_SO 3 4 PYRO\_SO 3v3\_IMU 3 4 JTMS 3v3\_RADIO 5 6 JTCK 3v3\_FC 7 8 JTDO 3v3\_PYRO 9 10 JTDR 3v3\_DL 11 12 RSVD1 3v3\_AUX1 13 14 5v\_CAN 3v3\_AUX2 15 16 CANRSVD2 17 18 CAN+ WEST TOP PYRO\_SO 3 4 PYRO\_SO PYRO\_SI 5 6 PYRO\_SI 5 8 PYRO1 7 8 PYRO1 12 PYRO2 50 AUX1 11 PYRO3 50 AUX2 13 14 PYRO4 50 AUX2 13 16 PWR CHARGE 17 18 CHARGE 17 18 CHARGE 19 20 FAST TOP SOUTH BOT GŇD GND GND GŇD GND GŇD GŇD GND GND GND STM32F405: MCU Peripherals: 3v3 IC1 1 VBAT 19 VDD 32 VDD 48 VDD 48 VDD 40 VDD 13 VDDA PB0 26 PB1 27 PB2 28 PB3 55 3y3 3y3 3y3 3y3 3y3 R1 R4 47K R5 47K R6 47K R7 JTDO PB3 4 VDD PB4 56 SHIELD 9 6 7 DATO SHIELD 9 PB5 57 OTG\_HS\_VBUS\_OTG\_HS\_DM PB6 58 PB7 59 SDIO\_D0 SHIELD 9 GND 12 VSSA VSS VSS VSS SHIELD 9 CD\_L CD\_S 11 TEMP\_INT SDIO\_D1 8 DAT1 PB8 61 CAN\_RXD 100n SDIO\_D2 DAT2 DAT3 OTG\_HS\_DP GND GND PB9 62 CAN\_TXD GND SDIO\_D3 SDIO\_CMD PB10 29 3 CMD 3v3 \_\_\_\_\_́C6 USB GND PB11 30 LED1 C1 SDIO CK 5 CLK 1\_31 VCAP\_1 100n 47 VCAP\_2 100n 100n GND GND MICROSD 34 OTG\_HS\_VBUS PB13 35 OTG\_HS\_DM GŇD GND 7 NRST GND PB14 PB15 36 OTG\_HS\_DP 60 BOOTO 3v3 PC0



1k

STM32F405RxTx

Sheet: /	niversity Space Flight	3v3_PWR 3v3_DL Working Voltage
File: working.  Title: m3d		
Size: A4	Date: 2016-06-10	Rev: 1
KiCad E.D.A. eeschema 7.0.6		ld: 1/1
4	5	