P1
CONN-TH_3P-P5.00

4V
BLACK POWDER FUSE IGNITION 2

2V
TERMINAL BLOCK 2P (7.2V IN)
VCC

IC1
AMS1117-5
AMS1117-5
VIN   VOUT
GND   GND
CapeToadTech
GND

U3
MPXH6115A6T1 Fancy Barometer
1 DNC   DNC 8
2 VS   DNC 7
3 GND   DNC 6
4 VOUT DNC 5

3V
BLACK POWDER FUSE IGNITION 1

P2
CONN-TH_3P-P5.00

R7   R6
20k   10k

KEY2
button6*6*8

U1
TEENSY USB BOARD, VERSION 4.1
1 GND   VIN 48
2 0-CRX2/CS1/RX1   GND 47
3 1-CTX2/MISO1/TX1   3.3V 46
4 2-OUT2   CRX1/A9-23 45
5 3-LRCLK2   CTX1/A8-22 44
6 4-BCLK2   RX5/A7-21 43
7 5-IN2   TX5/A6-20 42
8 6-OUT1D   A5-19 41
9 7-OUT1A/RX2   A4-18 40
10 8-IN1/TX2   TX4/A3-17 39
11 9-OUT1C   RX4/A2-16 38
12 10-MQSR/CS   RX3/A1-15 37
13 11-CTX1/MOSI   TX3/A0-14 36
14 12-MQSL/MISO   SCK-13 35
15 3.3V   GND 34
16 24-SCL2/TX6/A10   A17 33
17 25-SDA2/RX6/A11   A16 32
18 26-MOSI1/A12   OUT1A/MISO1/A15 31
19 27-SCK1/A13   INN/CS1/A14 30
20 28-RX7   CS 29
21 29-TX7   CS 28
22 30-CRX3   TX8 27
23 31-CTX3   RX8 26
24 32-OUT1B   MCLK2 25

U4
Adafruit Bluefruit LE SPI Friend
VIN
GND
RST
DFU
IRQ
CS
MOSI
MISO
SCK
3.3V

R5
51 ohm

LED1
SMD-CHIP-LED-0805 Pwn On LED

GND

X1
LSM9DS03 3axis Accel + Gyro
6 SDOXM
7 SDOG
8 CSXM
9 CSG
10 SDA
11 SCL
12 GND
13 3V3
14 VIN
5 INTG
4 DRDY
3 INT1
2 INT2
1 DEN

U2
ili9341 3.2 in
ILI9341 2.8 Inch TFT v1.1
14 T_IRQ
13 T_DO
12 T_DIN
11 T_CS
10 T_CLK
9 MISO
8 LED
7 SCK
6 MOSI
5 D/C
4 RST
3 CS
2 GND
1 VCC
18 SD_SCK
17 SD_MISO
16 SD_MOSI
15 SD_CS
ILI9341 3.2
US2
TOUCH
LCD
SDCARD

R1
100 ohm

H1
HDR-F-2.54_1x4
VIN
GND
SCL
SDA

1V
TERMINAL BLOCK 2P (3.7V IN)

GND

U6
AMS1117T-3.3G
1 GND
2 VOUT
3 VIN

TITLE:
Telemetry Mk 0.1

REV: 1.0

EasyEDA

Company: Rocketry

Sheet: 1/1

Date: 2024-01-27   Drawn By: andrew.theiss

U6 - Need to mark vin vou on final board