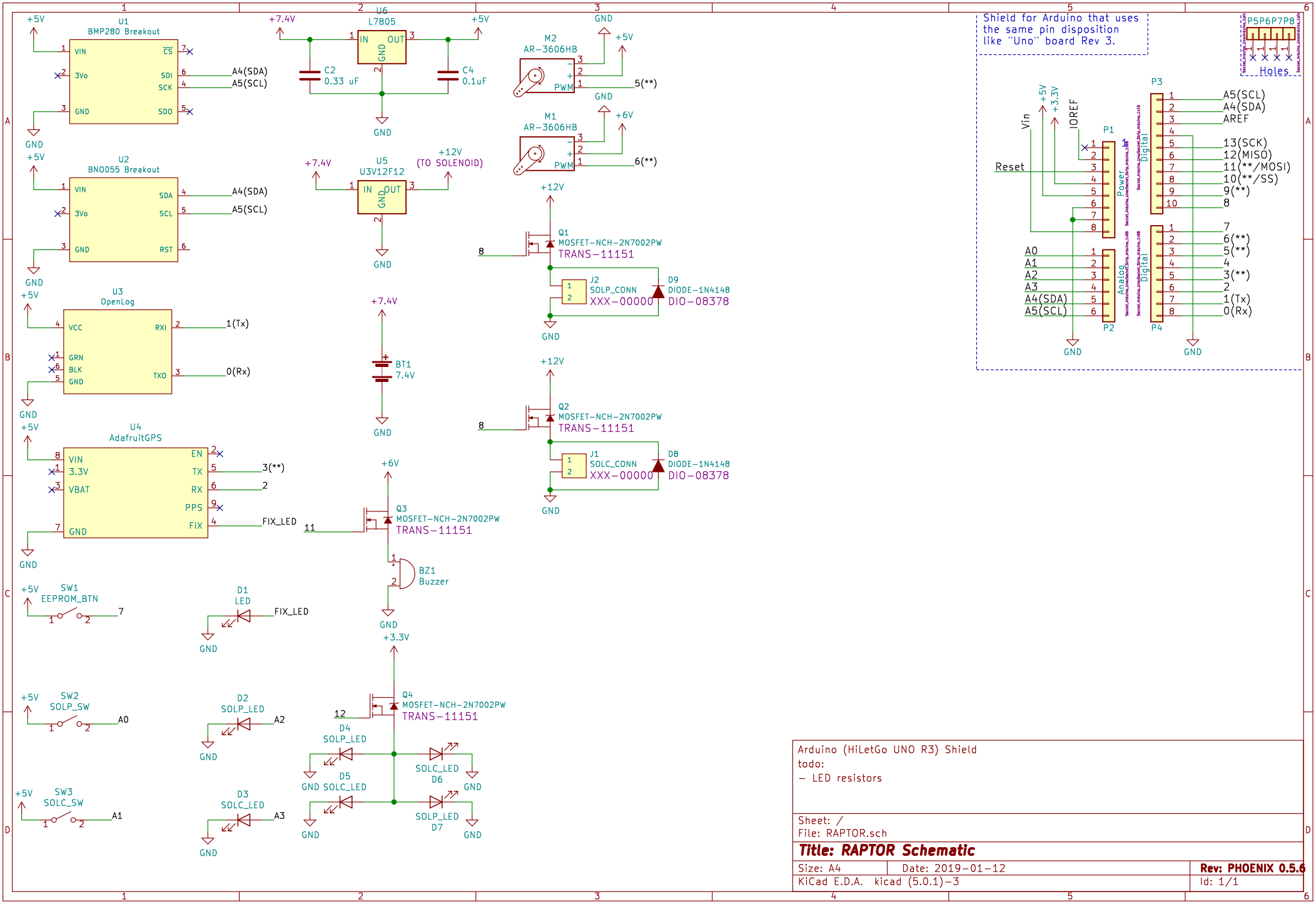
U1
BMP280 Breakout
VIN
3Vo
GND
CS
SDI
SCK
SDO
A4(SDA)
A5(SCL)
U2
BNO055 Breakout
SDA
SCL
RST
U3
OpenLog
VCC
GRN
BLK
RXI
TXO
1(Tx)
0(Rx)
U4
AdafruitGPS
3.3V
VBAT
EN
TX
RX
PPS
FIX
3(**)
2
FIX_LED
U6
L7805
IN
OUT
C2
0.33 uF
C4
0.1uF
U5
U3V12F12
+12V
(TO SOLENOID)
BT1
7.4V
M2
AR-3606HB
PWM
5(**)
M1
AR-3606HB
6(**)
Q1
MOSFET-NCH-2N7002PW
TRANS-11151
J2
SOLP_CONN
XXX-00000
D9
DIODE-1N4148
DIO-08378
Q2
J1
SOLC_CONN
D8
Q3
BZ1
Buzzer
SW1
EEPROM_BTN
D1
LED
Q4
SW2
SOLP_SW
A0
D2
SOLP_LED
A2
D4
D5
SOLC_LED
D6
D7
SW3
SOLC_SW
A1
D3
A3
Shield for Arduino that uses
the same pin disposition
like "Uno" board Rev 3.
P5P6P7P8
Holes
P3
P1
P2
P4
Power
Analog
Digital
Vin
IOREF
Reset
A0
A1
A2
A3
A4(SDA)
A5(SCL)
AREF
13(SCK)
12(MISO)
11(**/MOSI)
10(**/SS)
9(**)
8
7
6(**)
5(**)
4
3(**)
2
1(Tx)
0(Rx)
Arduino (HiLetGo UNO R3) Shield
todo:
– LED resistors
Sheet: /
File: RAPTOR.sch
Title: RAPTOR Schematic
Size: A4
Date: 2019-01-12
Rev: PHOENIX 0.5.6
KiCad E.D.A. kicad (5.0.1)-3
Id: 1/1