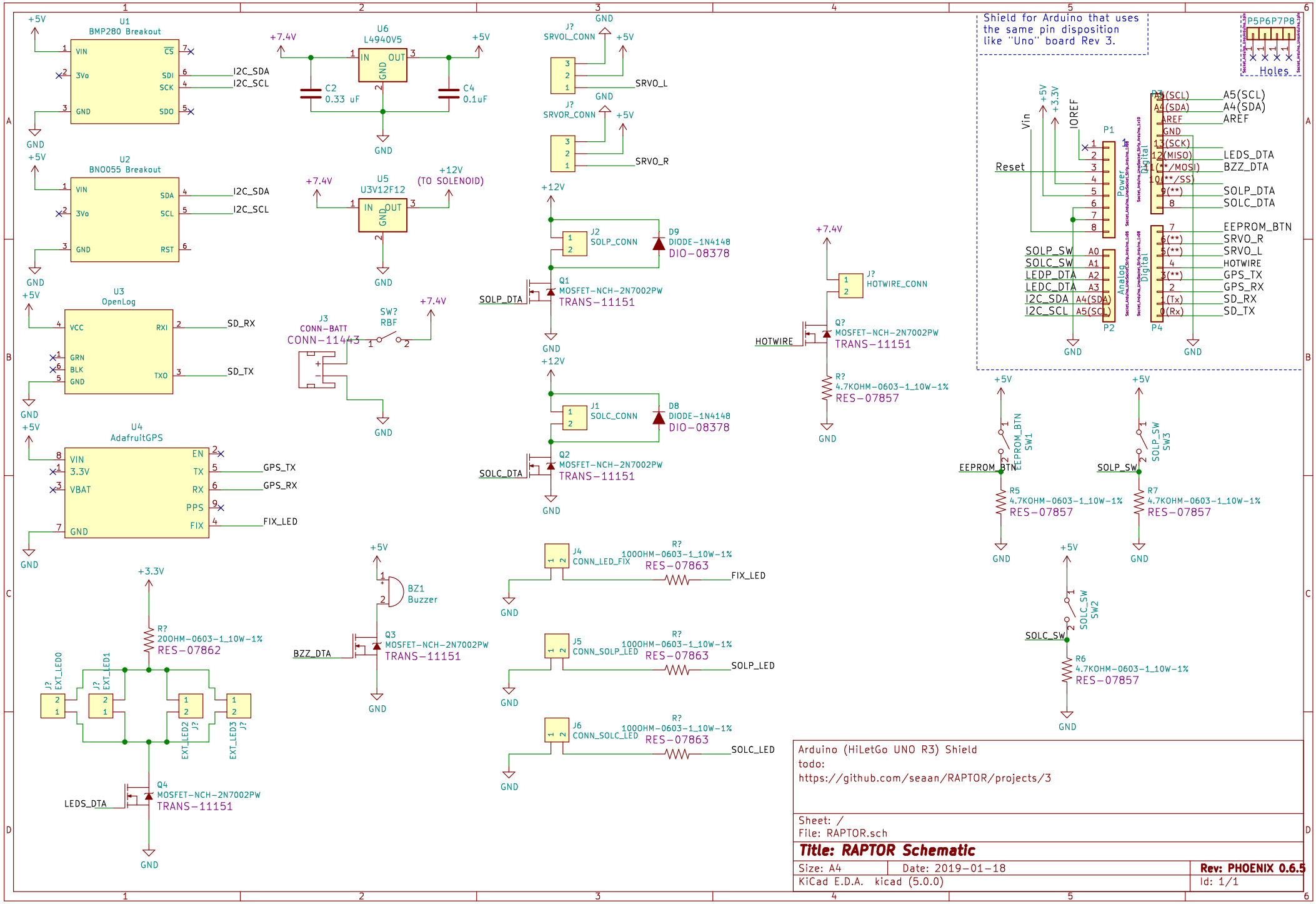
U1
BMP280 Breakout
U2
BNO055 Breakout
U3
OpenLog
U4
AdafruitGPS
U6
L4940V5
U5
U3V12F12
+12V
(TO SOLENOID)
I2C_SDA
I2C_SCL
SD_RX
SD_TX
GPS_TX
GPS_RX
FIX_LED
SRVO_L
SRVO_R
SOLP_DTA
SOLC_DTA
HOTWIRE
BZZ_DTA
LEDS_DTA
SOLP_LED
SOLC_LED
J3
CONN-BATT
CONN-11443
SW?
RBF
J2
SOLP_CONN
J1
SOLC_CONN
D9
DIODE-1N4148
DIO-08378
D8
DIODE-1N4148
DIO-08378
Q1
MOSFET-NCH-2N7002PW
TRANS-11151
Q2
MOSFET-NCH-2N7002PW
TRANS-11151
Q3
MOSFET-NCH-2N7002PW
TRANS-11151
Q4
MOSFET-NCH-2N7002PW
TRANS-11151
Q?
MOSFET-NCH-2N7002PW
TRANS-11151
J?
HOTWIRE_CONN
R?
4.7KOHM-0603-1_10W-1%
RES-07857
R?
200HM-0603-1_10W-1%
RES-07862
R?
100OHM-0603-1_10W-1%
RES-07863
J4
CONN_LED_FIX
J5
CONN_SOLP_LED
J6
CONN_SOLC_LED
BZ1
Buzzer
EXT_LED0
EXT_LED1
EXT_LED2
EXT_LED3
Shield for Arduino that uses
the same pin disposition
like "Uno" board Rev 3.
P5P6P7P8
Holes
P1
Power
P2
Analog
P3
Digital
P4
Digital
Vin
IOREF
Reset
A5(SCL)
A4(SDA)
AREF
GND
13(SCK)
12(MISO)
11(**/MOSI)
10(**/SS)
9(**)
8
7
6(**)
5(**)
4
3(**)
2
1(Tx)
0(Rx)
LEDS_DTA
BZZ_DTA
SOLP_DTA
SOLC_DTA
EEPROM_BTN
SRVO_R
SRVO_L
HOTWIRE
GPS_TX
GPS_RX
SD_RX
SD_TX
SOLP_SW
SOLC_SW
LEDP_DTA
LEDC_DTA
I2C_SDA
I2C_SCL
A0
A1
A2
A3
A4(SDA)
A5(SCL)
EEPROM_BTN
SW1
SOLP_SW
SW3
SOLC_SW
SW2
R5
R7
R6
Arduino (HiLetGo UNO R3) Shield
todo:
https://github.com/seaan/RAPTOR/projects/3
Sheet: /
File: RAPTOR.sch
Title: RAPTOR Schematic
Size: A4
Date: 2019-01-18
Rev: PHOENIX 0.6.5
KiCad E.D.A. kicad (5.0.0)
Id: 1/1