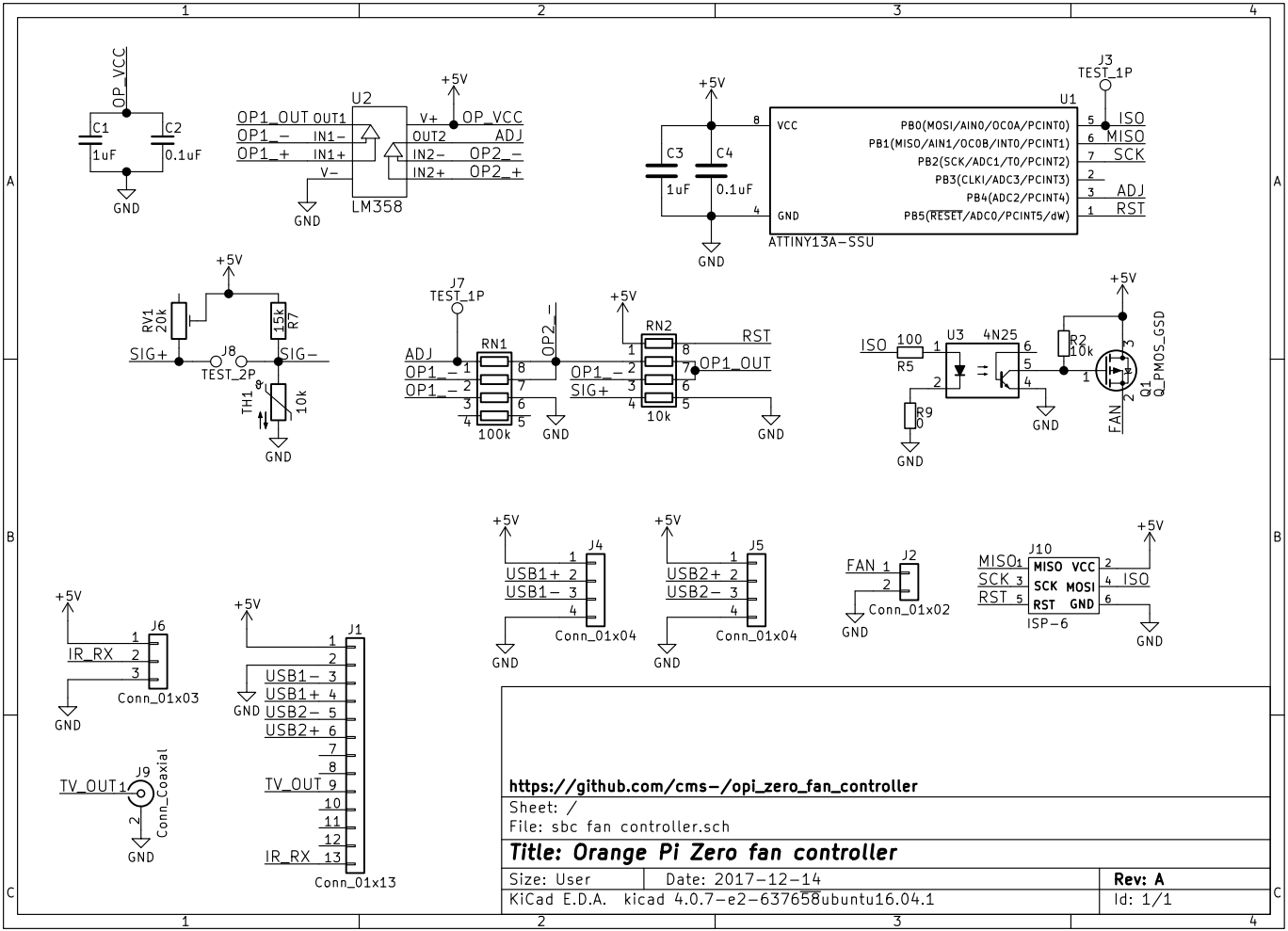
OP_VCC
C1
1uF
C2
0.1uF
GND
U2
OP1_OUT OUT1
OP1_− IN1−
OP1_+ IN1+
V−
V+
OUT2
IN2−
IN2+
OP_VCC
ADJ
OP2_−
OP2_+
LM358
+5V
U1
VCC
GND
PB0(MOSI/AIN0/OC0A/PCINT0)
PB1(MISO/AIN1/OC0B/INT0/PCINT1)
PB2(SCK/ADC1/T0/PCINT2)
PB3(CLKI/ADC3/PCINT3)
PB4(ADC2/PCINT4)
PB5(RESET/ADC0/PCINT5/dW)
ATTINY13A−SSU
C3
1uF
C4
0.1uF
J3
TEST_1P
ISO
MISO
SCK
ADJ
RST
RV1
20k
15k
R7
SIG+
SIG−
J8
TEST_2P
TH1
10k
J7
TEST_1P
RN1
100k
ADJ
OP1_−
OP2_−
RN2
10k
RST
OP1_OUT
SIG+
ISO
100
R5
U3
4N25
R2
10k
R9
0
Q1
Q_PMOS_GSD
FAN
J6
IR_RX
Conn_01x03
J9
TV_OUT1
Conn_Coaxial
J1
USB1− 3
USB1+ 4
USB2− 5
USB2+ 6
TV_OUT 9
IR_RX 13
Conn_01x13
J4
USB1+ 2
USB1− 3
Conn_01x04
J5
USB2+ 2
USB2− 3
Conn_01x04
J2
FAN 1
Conn_01x02
J10
MISO 1
SCK 3
RST 5
MISO VCC
SCK MOSI
RST GND
ISP−6
https://github.com/cms−/opi_zero_fan_controller
Sheet: /
File: sbc fan controller.sch
Title: Orange Pi Zero fan controller
Size: User
Date: 2017−12−14
Rev: A
KiCad E.D.A. kicad 4.0.7−e2−637658ubuntu16.04.1
Id: 1/1