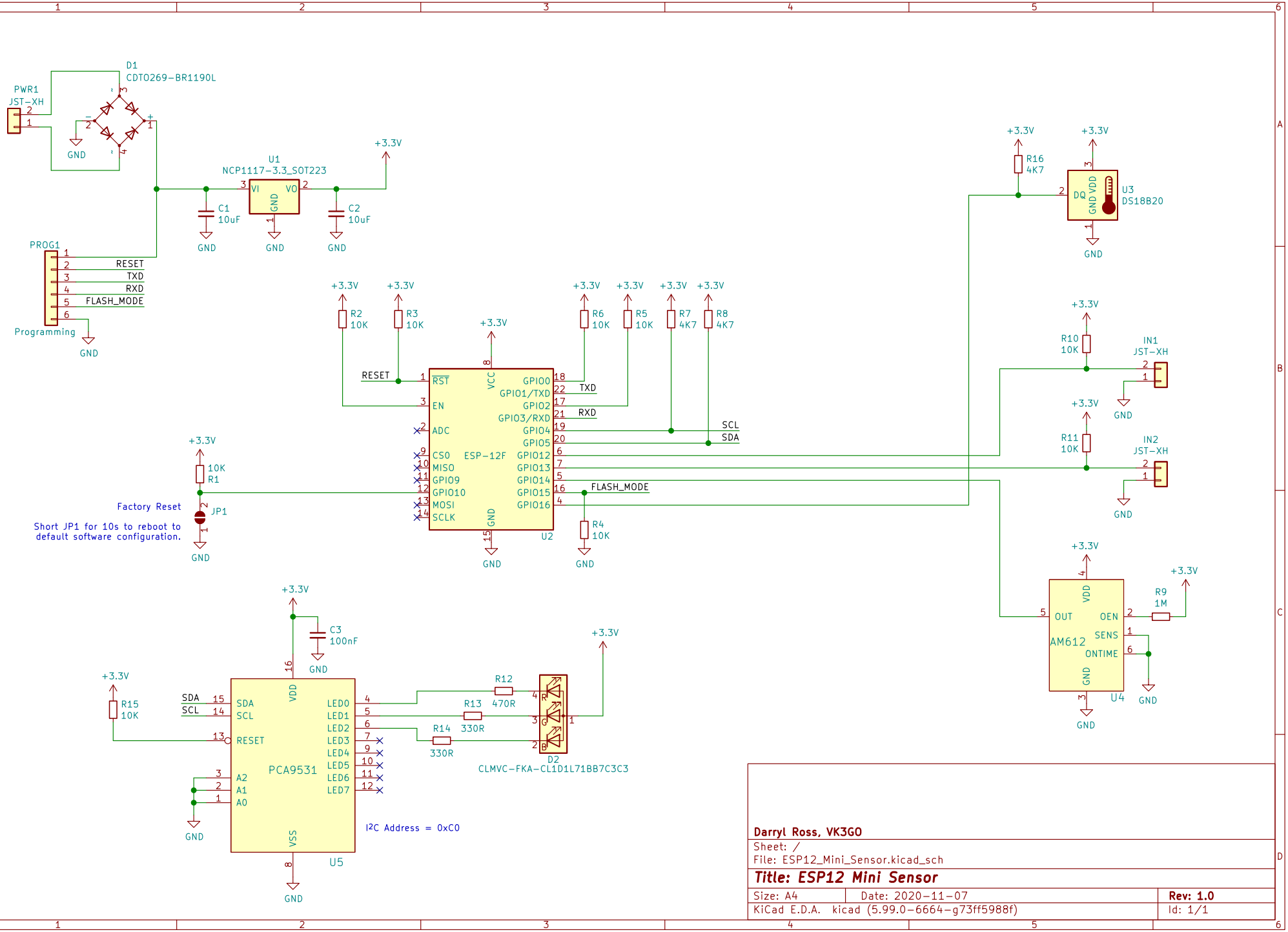
D1
CDTO269-BR1190L
PWR1
JST-XH
GND
U1
NCP1117-3.3_SOT223
VI
VO
GND
+3.3V
C1
10uF
C2
10uF
PROG1
RESET
TXD
RXD
FLASH_MODE
Programming
R2
10K
R3
10K
R6
10K
R5
10K
R7
4K7
R8
4K7
RST
EN
ADC
CS0
MISO
GPIO9
GPIO10
MOSI
SCLK
ESP-12F
VCC
GPIO0
GPIO1/TXD
GPIO2
GPIO3/RXD
GPIO4
GPIO5
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
U2
R4
10K
10K
R1
JP1
Factory Reset
Short JP1 for 10s to reboot to
default software configuration.
R16
4K7
U3
DS18B20
DQ
VDD
R10
10K
IN1
JST-XH
R11
10K
IN2
JST-XH
C3
100nF
R15
10K
SDA
SCL
RESET
A2
A1
A0
PCA9531
VDD
VSS
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
U5
I2C Address = 0xC0
R12
R13
470R
R14
330R
330R
D2
CLMVC-FKA-CL1D1L71BB7C3C3
R9
1M
OUT
OEN
SENS
ONTIME
AM612
U4
Darryl Ross, VK3GO
Sheet: /
File: ESP12_Mini_Sensor.kicad_sch
Title: ESP12 Mini Sensor
Size: A4
Date: 2020-11-07
Rev: 1.0
KiCad E.D.A. kicad (5.99.0-6664-g73ff5988f)
Id: 1/1