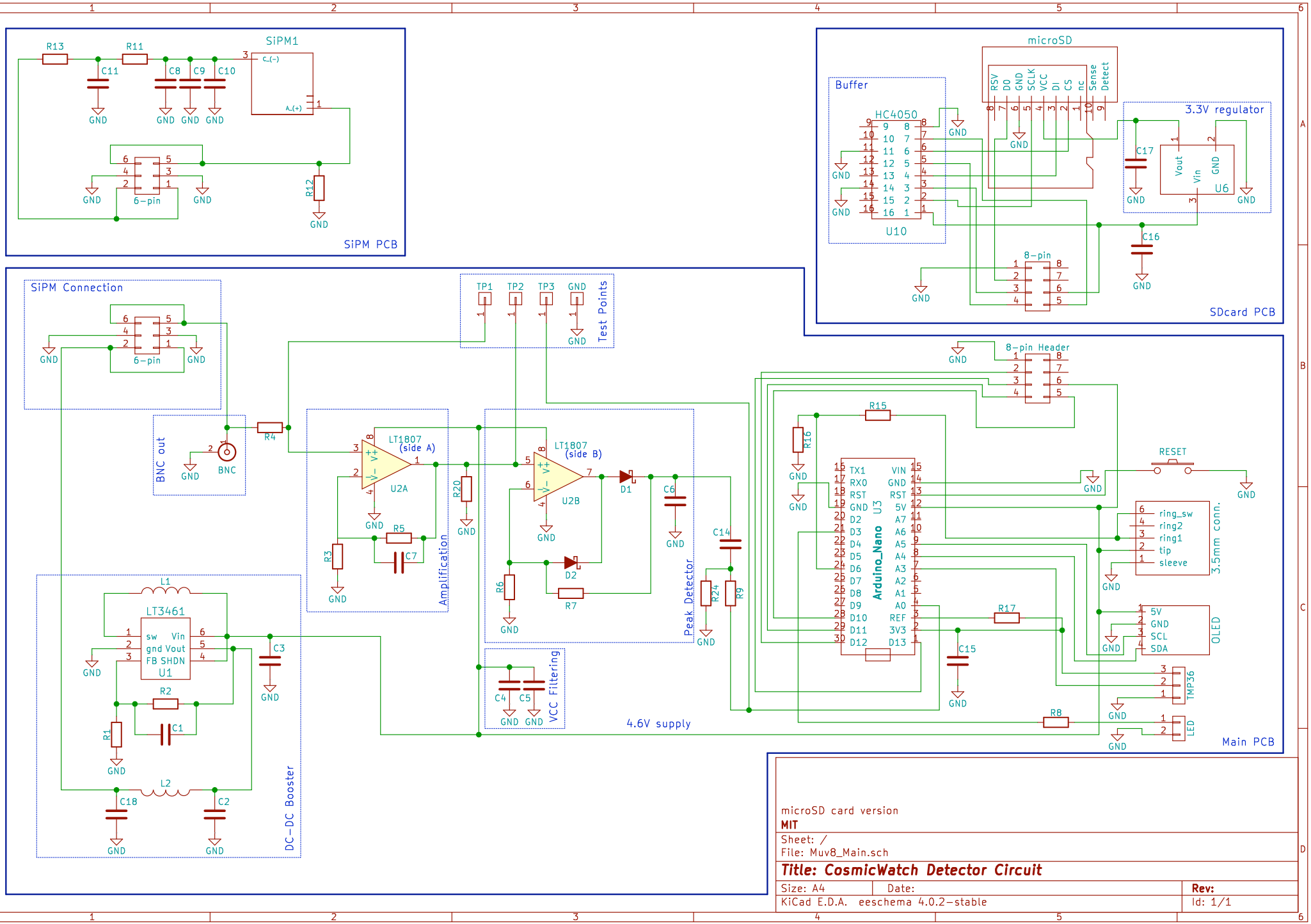
SiPM1
R13
R11
C11
C8
C9
C10
6-pin
R12
SiPM PCB
microSD
Buffer
HC4050
U10
3.3V regulator
C17
C16
8-pin
SDcard PCB
SiPM Connection
BNC out
BNC
R4
TP1
TP2
TP3
Test Points
LT1807 (side A)
U2A
LT1807 (side B)
U2B
Amplification
Peak Detector
D1
D2
C6
C14
R20
R3
R5
C7
R6
R7
R24
R9
VCC Filtering
C4
C5
L1
LT3461
U1
R1
R2
C1
C3
L2
C18
C2
DC-DC Booster
4.6V supply
8-pin Header
R15
R16
R17
R8
C15
RESET
Arduino_Nano
U3
3.5mm conn.
ring_sw
ring2
ring1
tip
sleeve
OLED
5V
SCL
SDA
TMP36
LED
Main PCB
microSD card version
MIT
Sheet: /
File: Muv8_Main.sch
Title: CosmicWatch Detector Circuit
Size: A4
Date:
Rev:
KiCad E.D.A. eeschema 4.0.2-stable
Id: 1/1