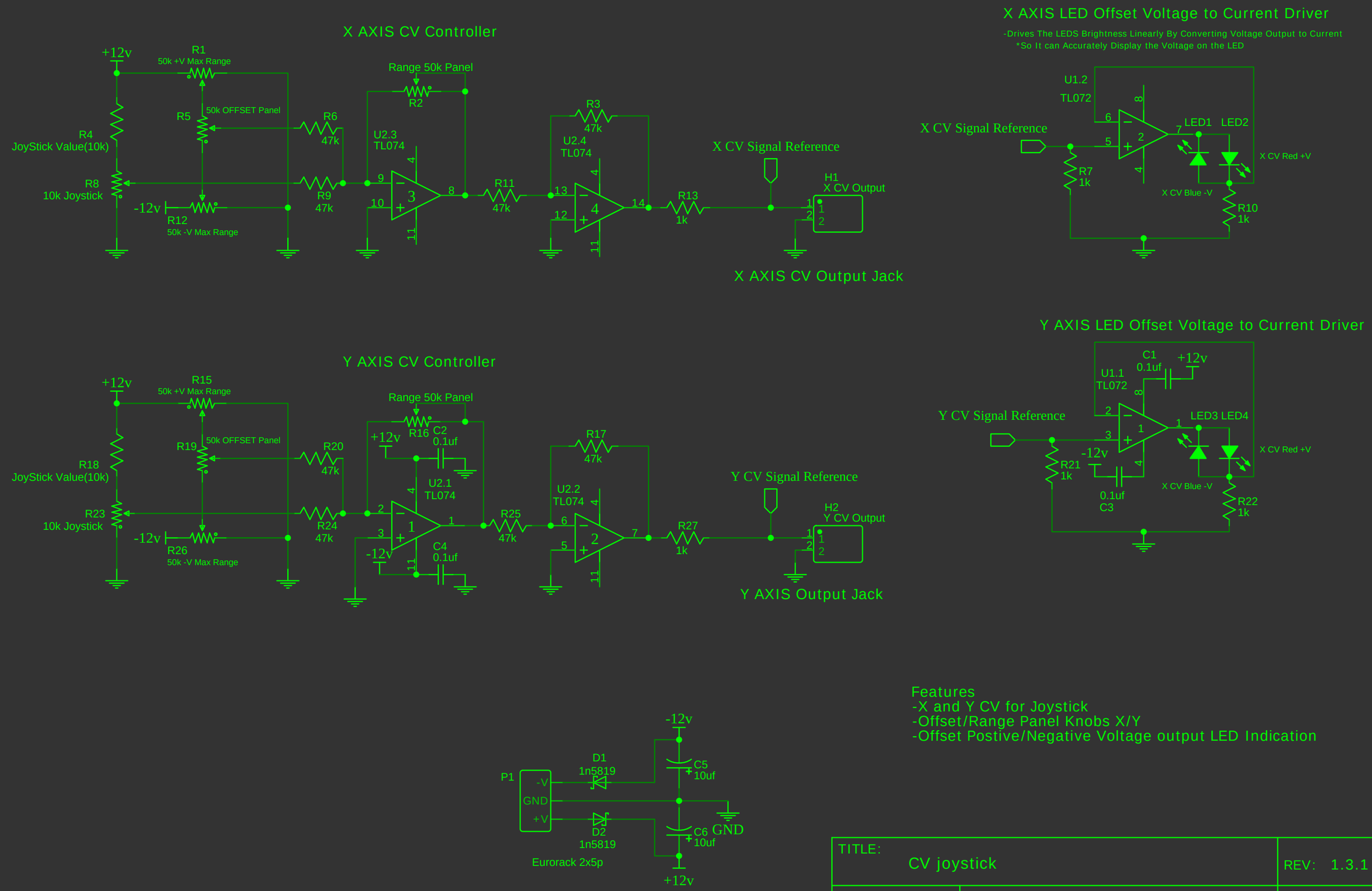
X AXIS CV Controller
+12v
R1
50k +V Max Range
R5
50k OFFSET Panel
R4
JoyStick Value(10k)
R8
10k Joystick
-12v
R12
50k -V Max Range
R6
47k
R9
47k
Range 50k Panel
R2
U2.3
TL074
R3
47k
U2.4
TL074
R11
47k
R13
1k
X CV Signal Reference
H1
X CV Output
X AXIS CV Output Jack
X AXIS LED Offset Voltage to Current Driver
-Drives The LEDS Brightness Linearly By Converting Voltage Output to Current
*So It can Accurately Display the Voltage on the LED
U1.2
TL072
X CV Signal Reference
R7
1k
LED1
LED2
X CV Red +V
X CV Blue -V
R10
1k
Y AXIS CV Controller
+12v
R15
50k +V Max Range
R19
50k OFFSET Panel
R18
JoyStick Value(10k)
R23
10k Joystick
-12v
R26
50k -V Max Range
R20
47k
R24
47k
Range 50k Panel
R16
C2
0.1uf
U2.1
TL074
C4
0.1uf
R17
47k
U2.2
TL074
R25
47k
R27
1k
Y CV Signal Reference
H2
Y CV Output
Y AXIS Output Jack
Y AXIS LED Offset Voltage to Current Driver
C1
0.1uf
U1.1
TL072
Y CV Signal Reference
R21
1k
0.1uf
C3
LED3
LED4
X CV Red +V
X CV Blue -V
R22
1k
P1
-V
GND
+V
D1
1n5819
D2
1n5819
Eurorack 2x5p
C5
10uf
C6
10uf
GND
Features
-X and Y CV for Joystick
-Offset/Range Panel Knobs X/Y
-Offset Postive/Negative Voltage output LED Indication
TITLE:
CV joystick
REV: 1.3.1
Company: Circulartonics
Sheet: 1/1
Date: 2020-03-16
Drawn By: Neil mundt
EasyEDA