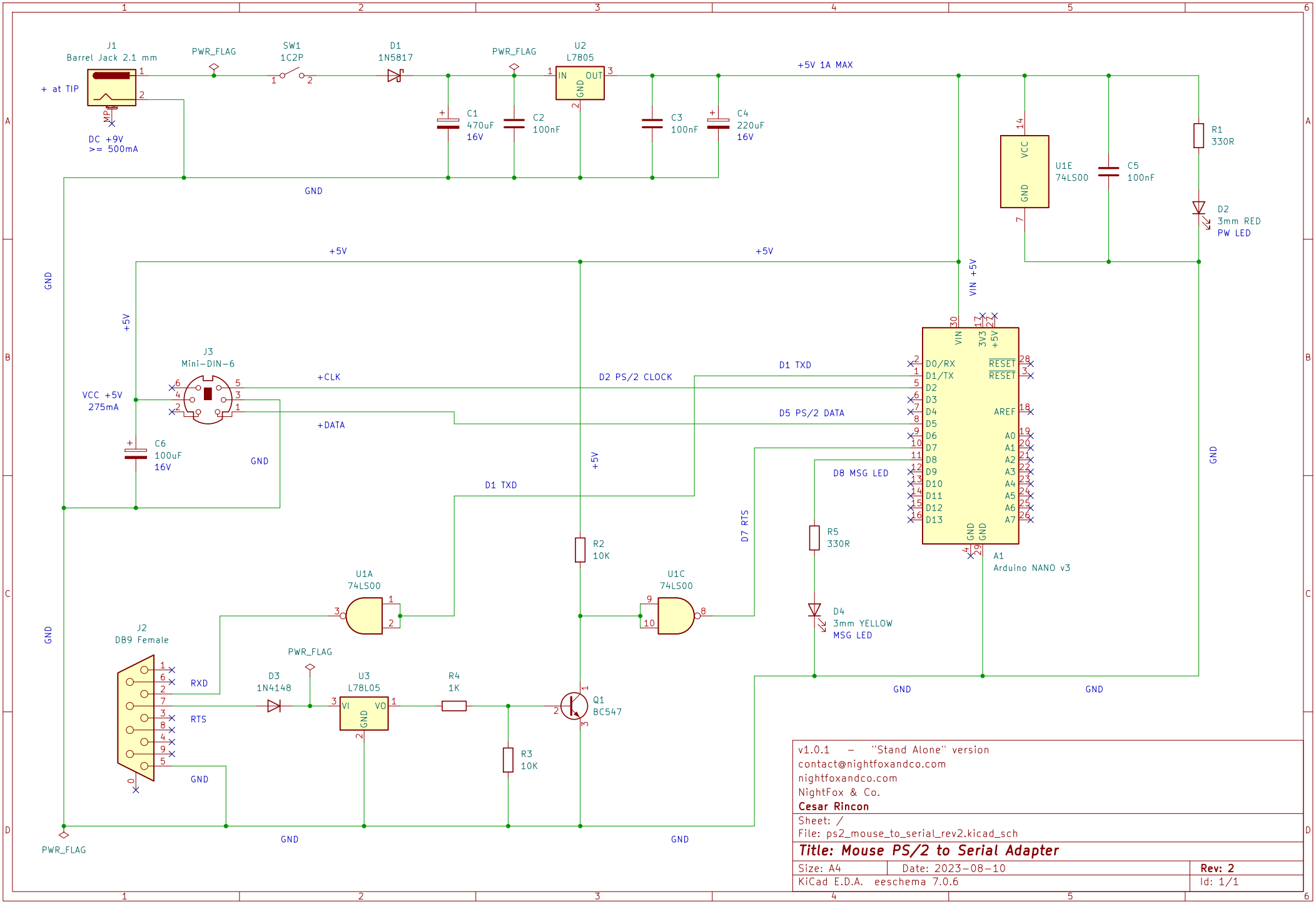
J1
Barrel Jack 2.1 mm
+ at TIP
DC +9V
>= 500mA
PWR_FLAG
SW1
1C2P
D1
1N5817
U2
L7805
IN
OUT
GND
+5V 1A MAX
C1
470uF
16V
C2
100nF
C3
100nF
C4
220uF
16V
U1E
74LS00
VCC
GND
C5
100nF
R1
330R
D2
3mm RED
PW LED
GND
+5V
VIN +5V
J3
Mini-DIN-6
VCC +5V
275mA
C6
100uF
16V
+CLK
+DATA
D2 PS/2 CLOCK
D5 PS/2 DATA
D1 TXD
D8 MSG LED
D7 RTS
R2
10K
R5
330R
D4
3mm YELLOW
MSG LED
A1
Arduino NANO v3
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
U1A
74LS00
U1C
74LS00
J2
DB9 Female
RXD
RTS
D3
1N4148
U3
L78L05
VI
VO
R4
1K
R3
10K
Q1
BC547
v1.0.1 – "Stand Alone" version
contact@nightfoxandco.com
nightfoxandco.com
NightFox & Co.
Cesar Rincon
Sheet: /
File: ps2_mouse_to_serial_rev2.kicad_sch
Title: Mouse PS/2 to Serial Adapter
Size: A4
Date: 2023-08-10
Rev: 2
KiCad E.D.A. eeschema 7.0.6
Id: 1/1