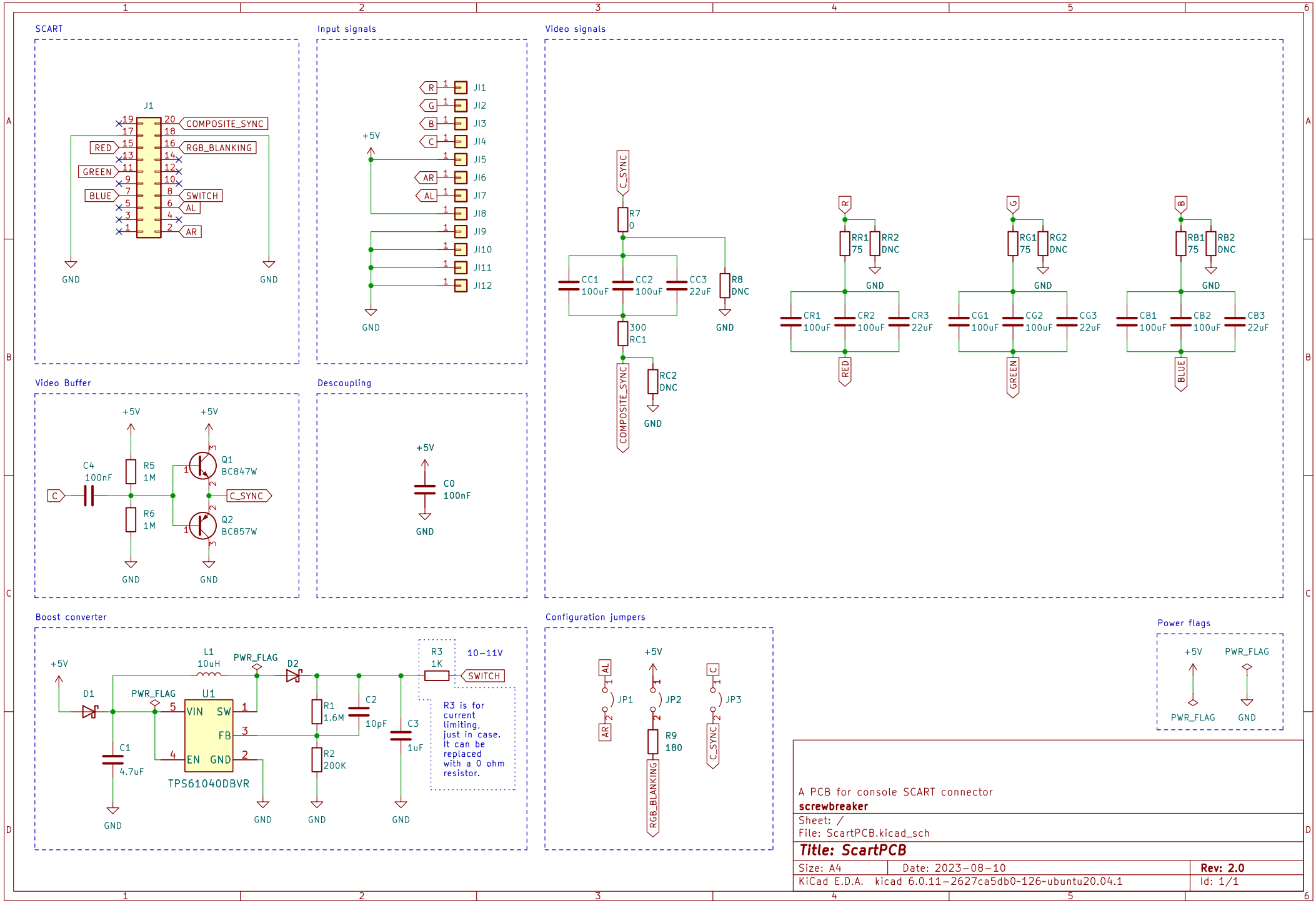
SCART
J1
COMPOSITE_SYNC
RGB_BLANKING
RED
GREEN
BLUE
SWITCH
AL
AR
GND
Input signals
+5V
R
G
B
C
AR
AL
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
Video signals
C_SYNC
R7
0
CC1
100uF
CC2
100uF
CC3
22uF
R8
DNC
300
RC1
RC2
DNC
COMPOSITE_SYNC
RR1
75
RR2
DNC
CR1
100uF
CR2
100uF
CR3
22uF
RG1
75
RG2
DNC
CG1
100uF
CG2
100uF
CG3
22uF
RB1
75
RB2
DNC
CB1
100uF
CB2
100uF
CB3
22uF
Video Buffer
C4
100nF
R5
1M
R6
1M
Q1
BC847W
Q2
BC857W
C_SYNC
Descoupling
C0
100nF
Boost converter
L1
10uH
PWR_FLAG
D1
D2
U1
VIN
SW
FB
EN
GND
TPS61040DBVR
C1
4.7uF
R1
1.6M
R2
200K
C2
10pF
C3
1uF
R3
1K
10-11V
SWITCH
R3 is for current limiting, just in case. It can be replaced with a 0 ohm resistor.
Configuration jumpers
JP1
JP2
JP3
R9
180
RGB_BLANKING
Power flags
PWR_FLAG
A PCB for console SCART connector
screwbreaker
Sheet: /
File: ScartPCB.kicad_sch
Title: ScartPCB
Size: A4
Date: 2023-08-10
Rev: 2.0
KiCad E.D.A. kicad 6.0.11-2627ca5db0~126~ubuntu20.04.1
Id: 1/1