power

File: power.kicad_sch

FPGA_util

File: FPGA_util.kicad_sch

FPGA_JTGA

File: FPGA_JTGA.kicad_sch

FPGA_ext

File: untitled.kicad_sch

FPGA_key

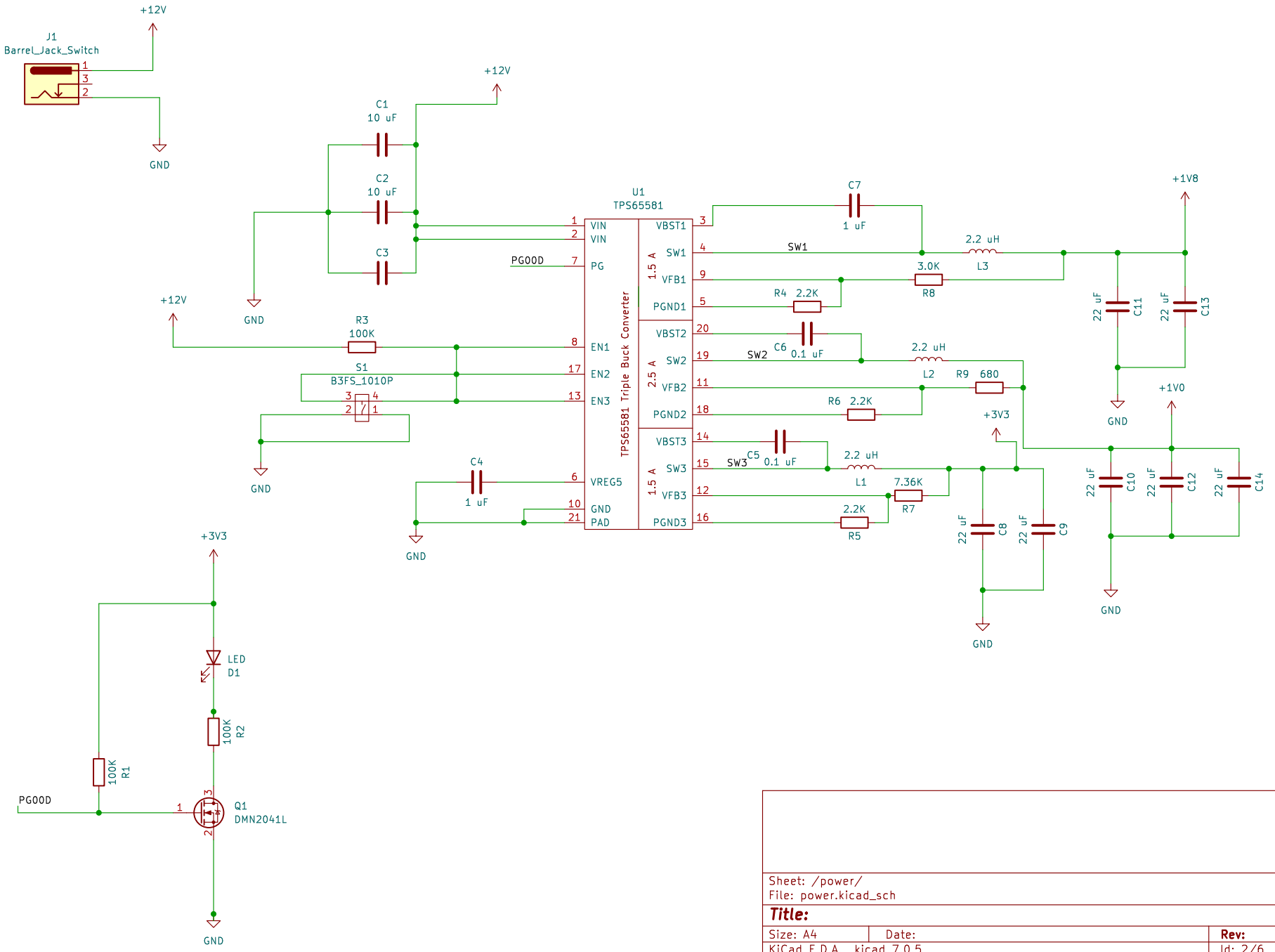
File: FPGA_key.kicad_sch

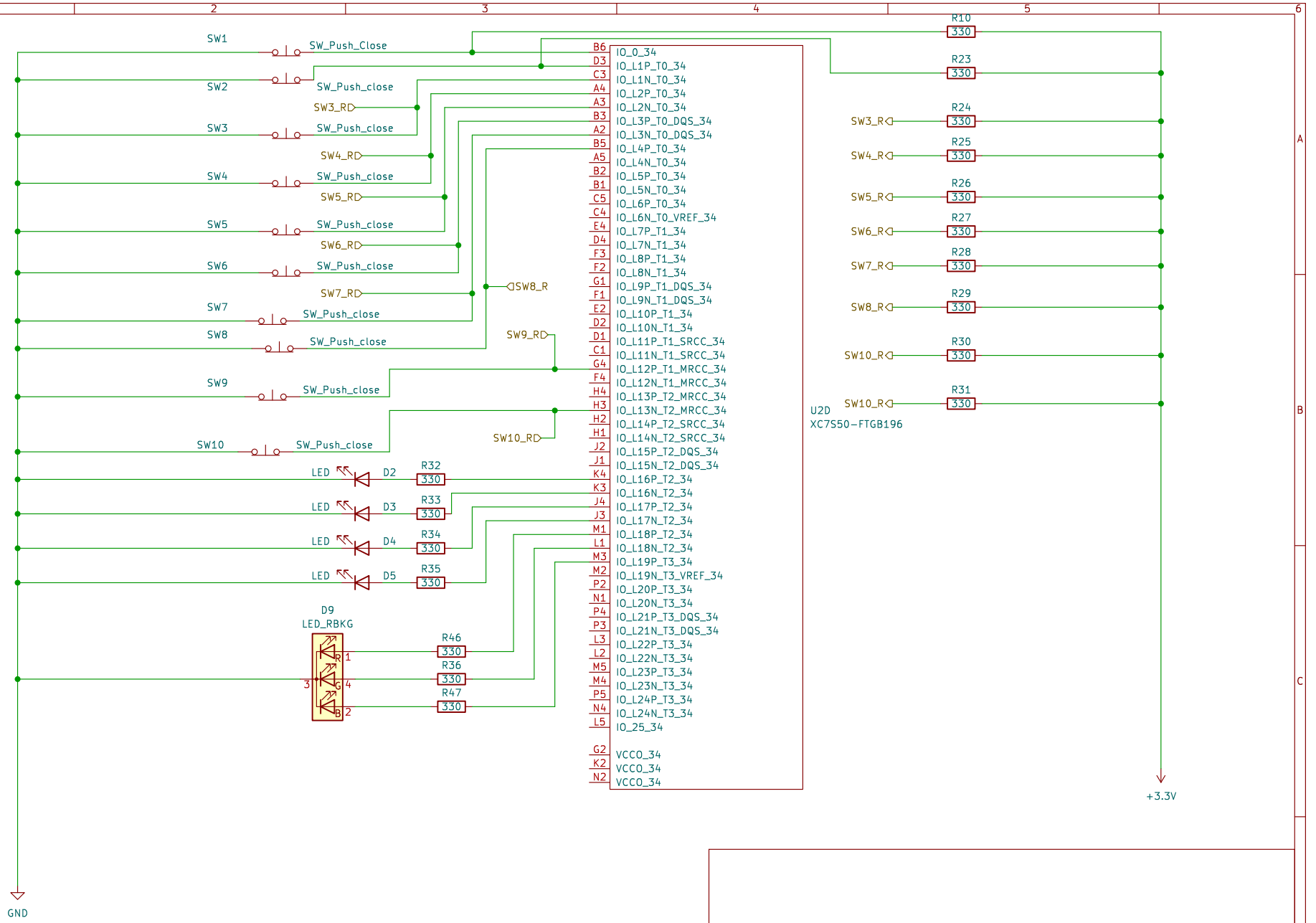
Ajay Paul
Hochschule Hamm-Lippstadt

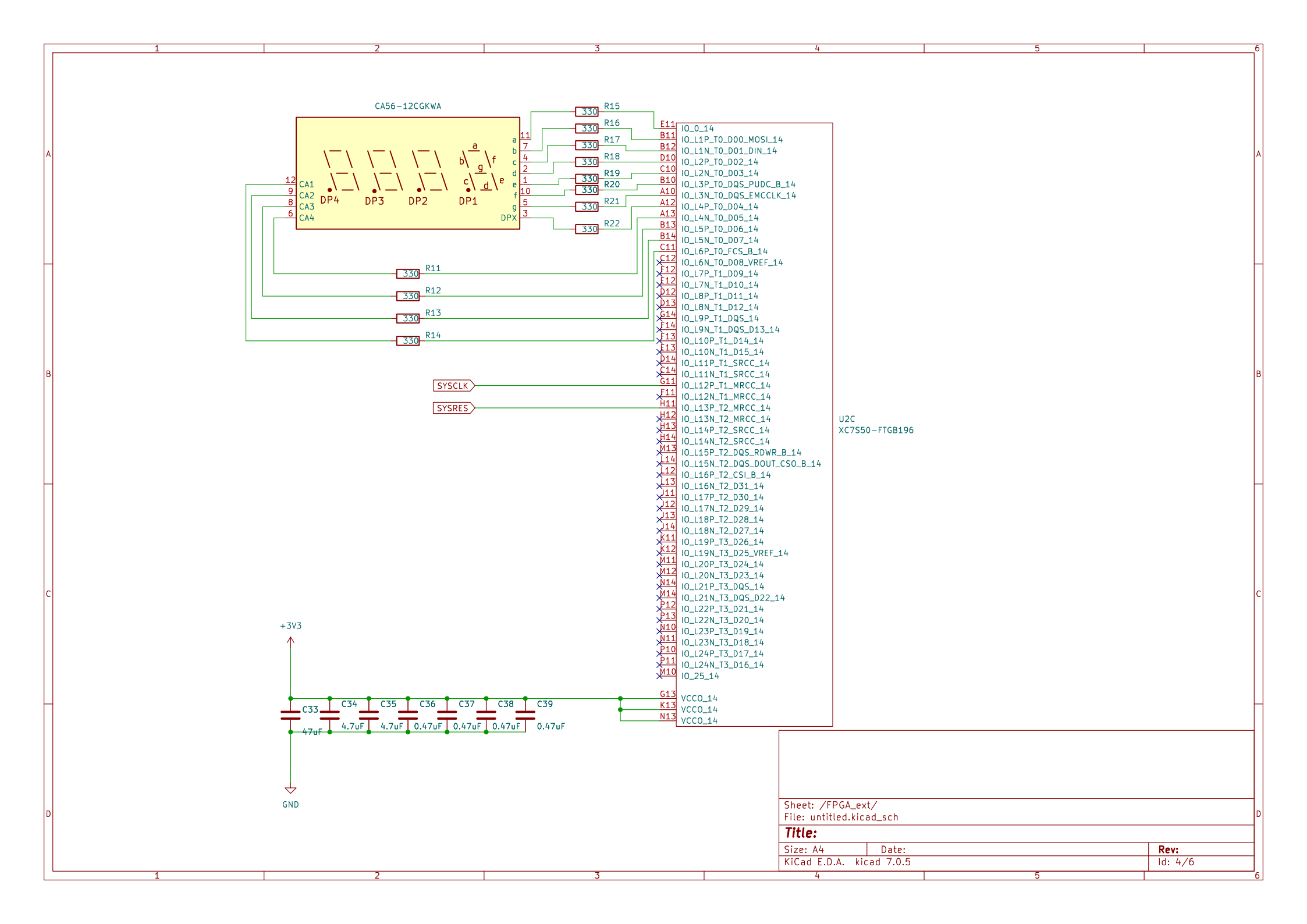
Sheet: /
File: Alaram_update.kicad_sch

Title: Alarm_FPGA

Size: A4	Date: 2023-07-12	**Rev: v0.3**
KiCad E.D.A. kicad 7.0.5		Id: 1/6


+12V
J1
Barrel_Jack_Switch
GND
C1
10 uF
C2
10 uF
C3
U1
TPS65581
VIN
PG00D
PG
EN1
EN2
EN3
VREG5
GND
PAD
VBST1
SW1
VFB1
PGND1
VBST2
SW2
VFB2
PGND2
VBST3
SW3
VFB3
PGND3
1.5 A
2.5 A
TPS65581 Triple Buck Converter
C7
1 uF
2.2 uH
L3
3.0K
R8
R4 2.2K
C6 0.1 uF
L2
R9 680
R6 2.2K
C5 0.1 uF
L1
7.36K
R7
2.2K
R5
22 uF
C11
C13
C8
C9
C10
C12
C14
+1V8
+1V0
+3V3
R3
100K
S1
B3FS_1010P
C4
1 uF
LED
D1
100K
R2
100K
R1
Q1
DMN2041L
Sheet: /power/
File: power.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.5
Id: 2/6

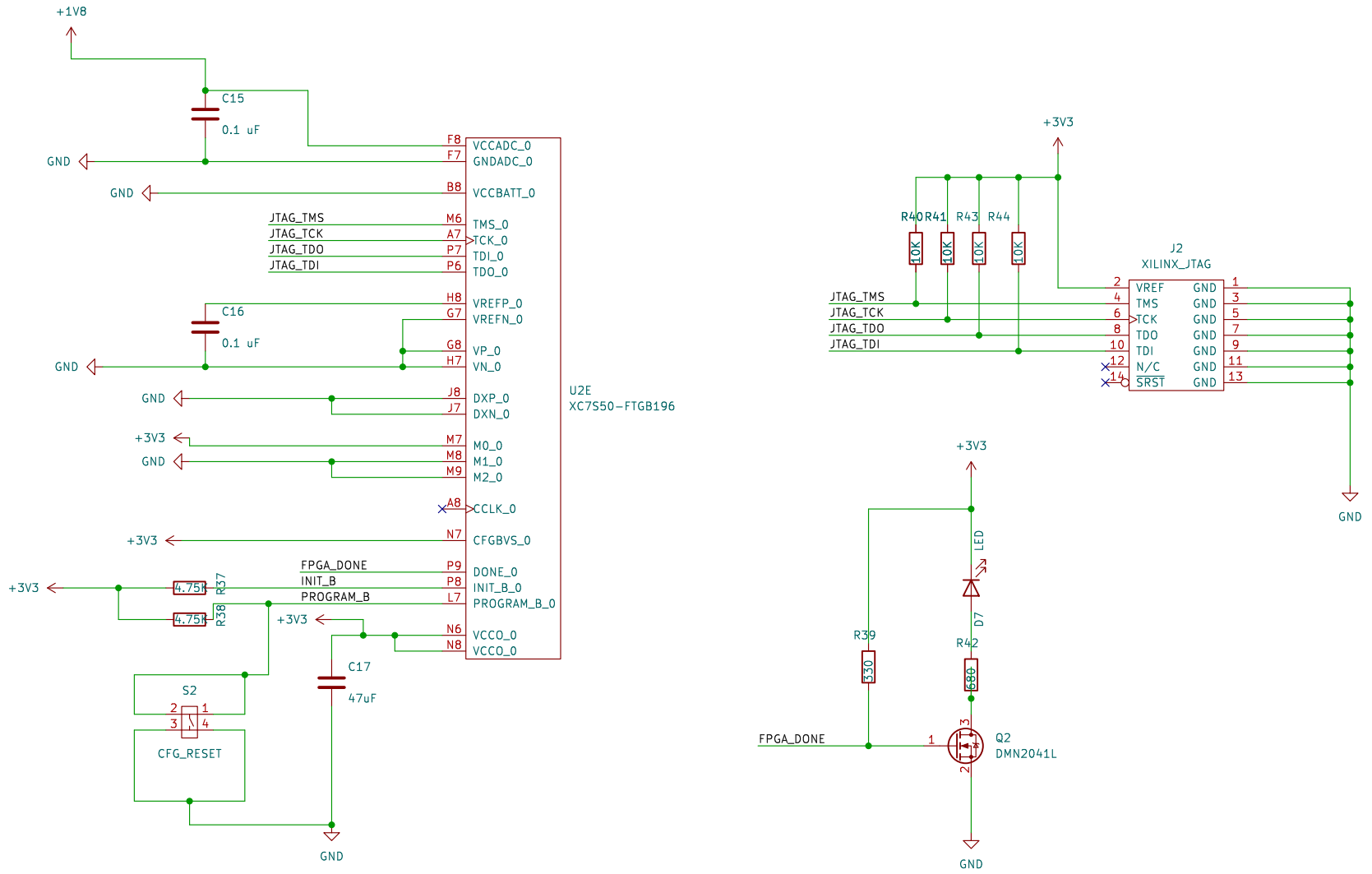

SW1
SW_Push_Close
SW2
SW_Push_close
SW3_RD
SW3
SW4_RD
SW4
SW5_RD
SW5
SW6_RD
SW6
SW7_RD
SW7
SW8
SW9_RD
SW9
SW10
SW10_RD
LED
D2
D3
D4
D5
R32
R33
R34
R35
330
D9
LED_RBKG
R46
R36
R47
GND
B6 IO_0_34
D3 IO_L1P_T0_34
C3 IO_L1N_T0_34
A4 IO_L2P_T0_34
A3 IO_L2N_T0_34
B3 IO_L3P_T0_DQS_34
A2 IO_L3N_T0_DQS_34
B5 IO_L4P_T0_34
A5 IO_L4N_T0_34
B2 IO_L5P_T0_34
B1 IO_L5N_T0_34
C5 IO_L6P_T0_34
C4 IO_L6N_T0_VREF_34
E4 IO_L7P_T1_34
D4 IO_L7N_T1_34
F3 IO_L8P_T1_34
F2 IO_L8N_T1_34
G1 IO_L9P_T1_DQS_34
F1 IO_L9N_T1_DQS_34
E2 IO_L10P_T1_34
D2 IO_L10N_T1_34
D1 IO_L11P_T1_SRCC_34
C1 IO_L11N_T1_SRCC_34
G4 IO_L12P_T1_MRCC_34
F4 IO_L12N_T1_MRCC_34
H4 IO_L13P_T2_MRCC_34
H3 IO_L13N_T2_MRCC_34
H2 IO_L14P_T2_SRCC_34
H1 IO_L14N_T2_SRCC_34
J2 IO_L15P_T2_DQS_34
J1 IO_L15N_T2_DQS_34
K4 IO_L16P_T2_34
K3 IO_L16N_T2_34
J4 IO_L17P_T2_34
J3 IO_L17N_T2_34
M1 IO_L18P_T2_34
L1 IO_L18N_T2_34
M3 IO_L19P_T3_34
M2 IO_L19N_T3_VREF_34
P2 IO_L20P_T3_34
N1 IO_L20N_T3_34
P4 IO_L21P_T3_DQS_34
P3 IO_L21N_T3_DQS_34
L3 IO_L22P_T3_34
L2 IO_L22N_T3_34
M5 IO_L23P_T3_34
M4 IO_L23N_T3_34
P5 IO_L24P_T3_34
N4 IO_L24N_T3_34
L5 IO_25_34
G2 VCCO_34
K2 VCCO_34
N2 VCCO_34
U2D
XC7S50-FTGB196
R10
R23
R24
R25
R26
R27
R28
R29
R30
R31
+3.3V
Sheet: /FPGA_key/
File: FPGA_key.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.5
Id: 3/6



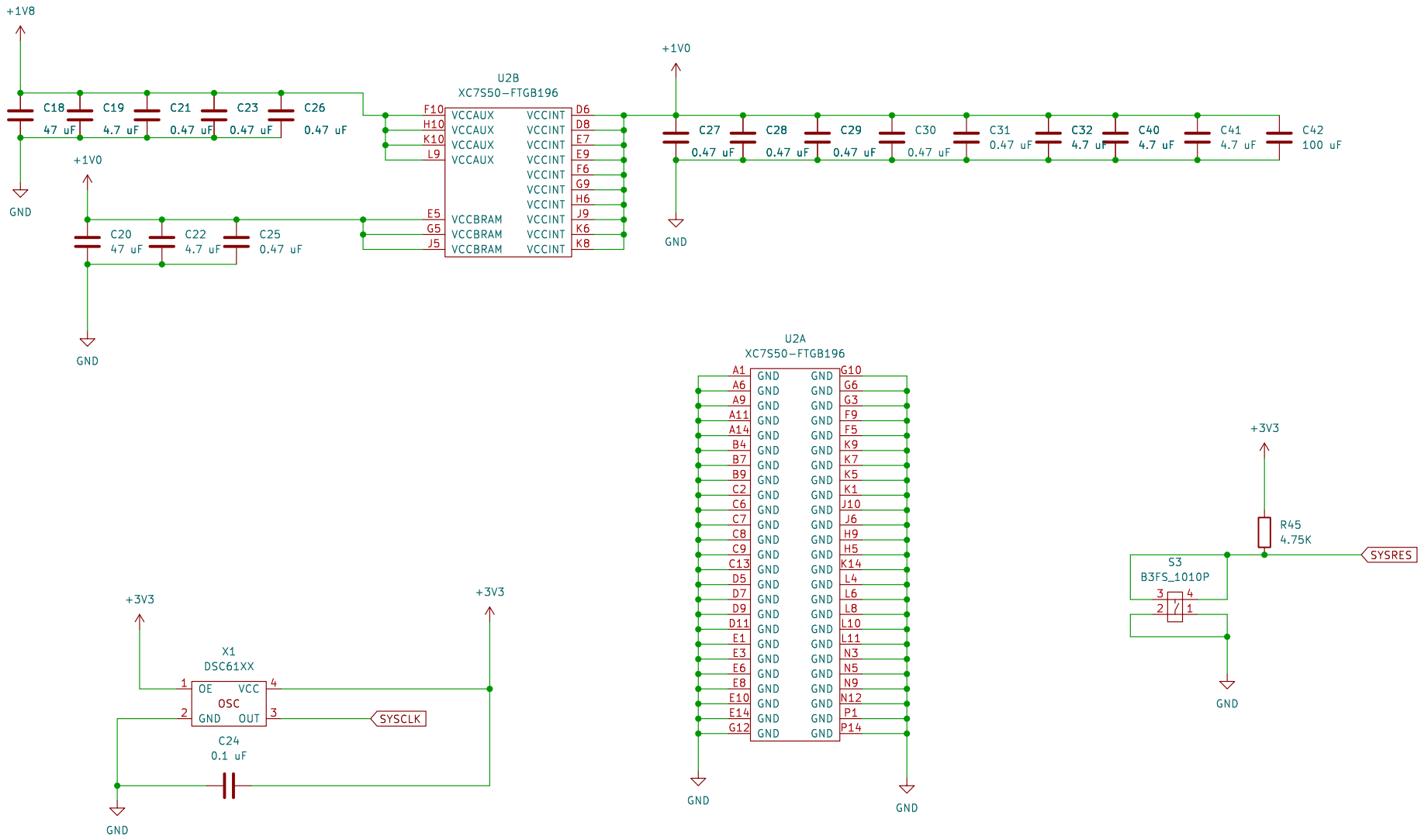
Sheet: /FPGA_ext/
File: untitled.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.5		Id: 4/6



Sheet: /FPGA_JTGA/		
File: FPGA_JTGA.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.5		Id: 5/6



Sheet: /FPGA_util/		
File: FPGA_util.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.5		Id: 6/6