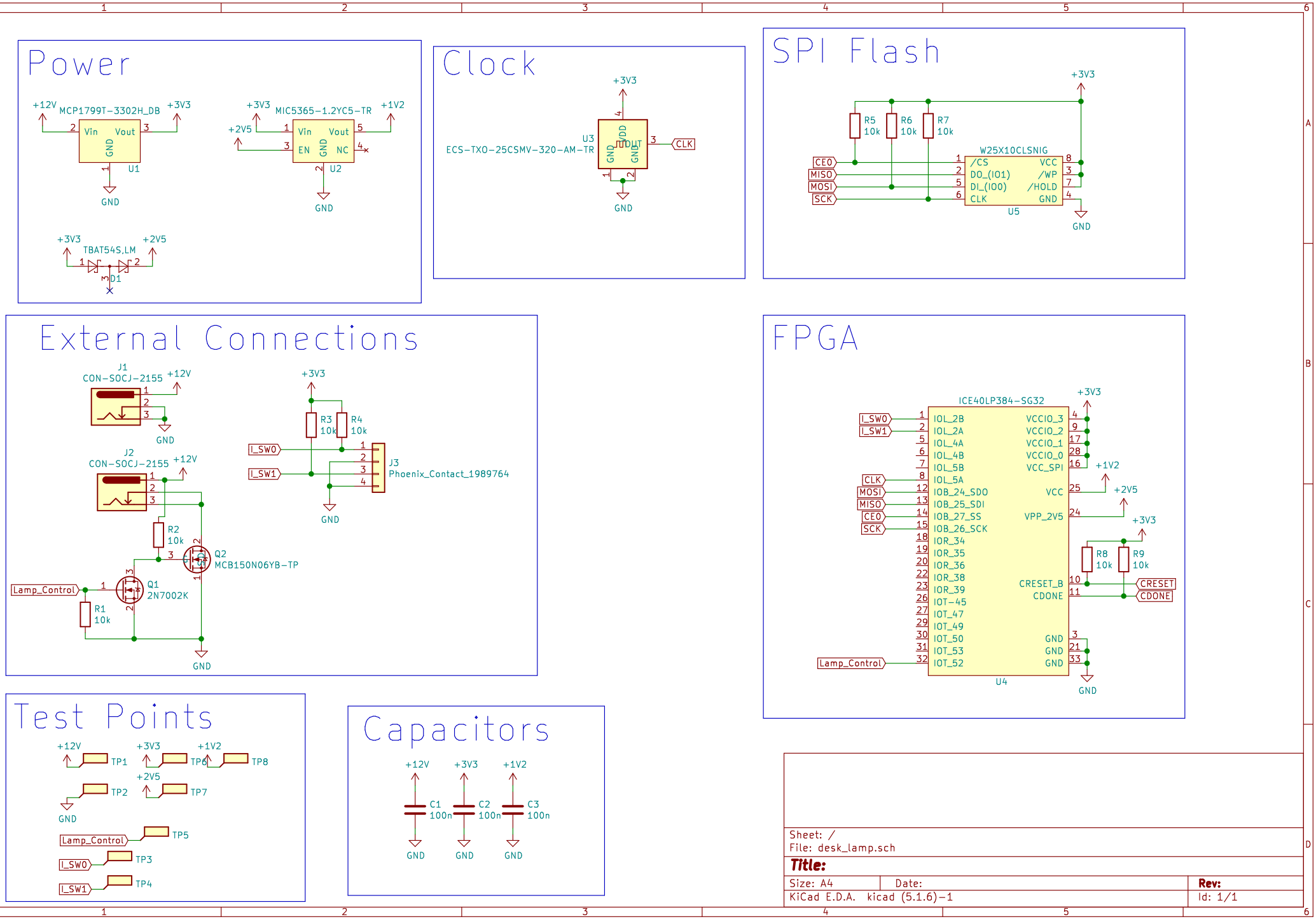
Power
+12V
MCP1799T-3302H_DB
+3V3
Vin
Vout
GND
U1
GND
+3V3
MIC5365-1.2YC5-TR
+1V2
+2V5
Vin
Vout
EN
GND
NC
U2
GND
+3V3
TBAT54S,LM
+2V5
D1
Clock
+3V3
ECS-TXO-25CSMV-320-AM-TR
U3
VDD
OUT
GND
GND
CLK
GND
SPI Flash
+3V3
R5
10k
R6
10k
R7
10k
W25X10CLSNIG
CE0
MISO
MOSI
SCK
/CS
DO_(IO1)
DI_(IO0)
CLK
VCC
/WP
/HOLD
GND
U5
GND
External Connections
J1
CON-SOCJ-2155
+12V
GND
J2
CON-SOCJ-2155
+12V
R2
10k
Q2
MCB150N06YB-TP
Q1
2N7002K
Lamp_Control
R1
10k
GND
+3V3
R3
10k
R4
10k
I_SW0
I_SW1
J3
Phoenix_Contact_1989764
GND
FPGA
ICE40LP384-SG32
+3V3
I_SW0
I_SW1
CLK
MOSI
MISO
CE0
SCK
Lamp_Control
IOL_2B
IOL_2A
IOL_4A
IOL_4B
IOL_5B
IOL_5A
IOB_24_SDO
IOB_25_SDI
IOB_27_SS
IOB_26_SCK
IOR_34
IOR_35
IOR_36
IOR_38
IOR_39
IOT-45
IOT_47
IOT_49
IOT_50
IOT_53
IOT_52
VCCIO_3
VCCIO_2
VCCIO_1
VCCIO_0
VCC_SPI
VCC
VPP_2V5
CRESET_B
CDONE
GND
GND
GND
+1V2
+2V5
+3V3
R8
10k
R9
10k
CRESET
CDONE
U4
GND
Test Points
+12V
TP1
+3V3
TP6
+1V2
TP8
+2V5
TP2
TP7
GND
Lamp_Control
TP5
I_SW0
TP3
I_SW1
TP4
Capacitors
+12V
+3V3
+1V2
C1
100n
C2
100n
C3
100n
GND
GND
GND
Sheet: /
File: desk_lamp.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.6)-1
Id: 1/1