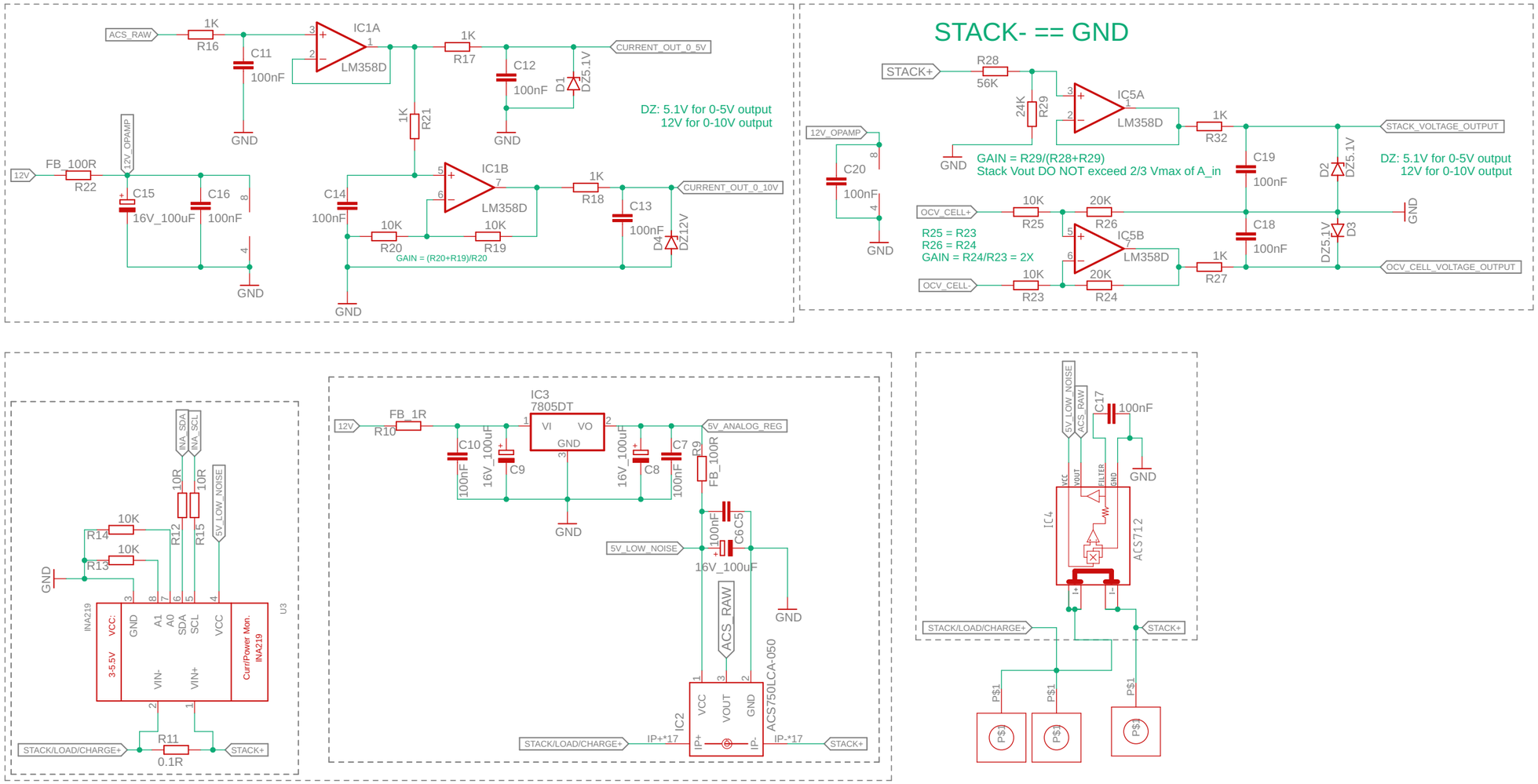
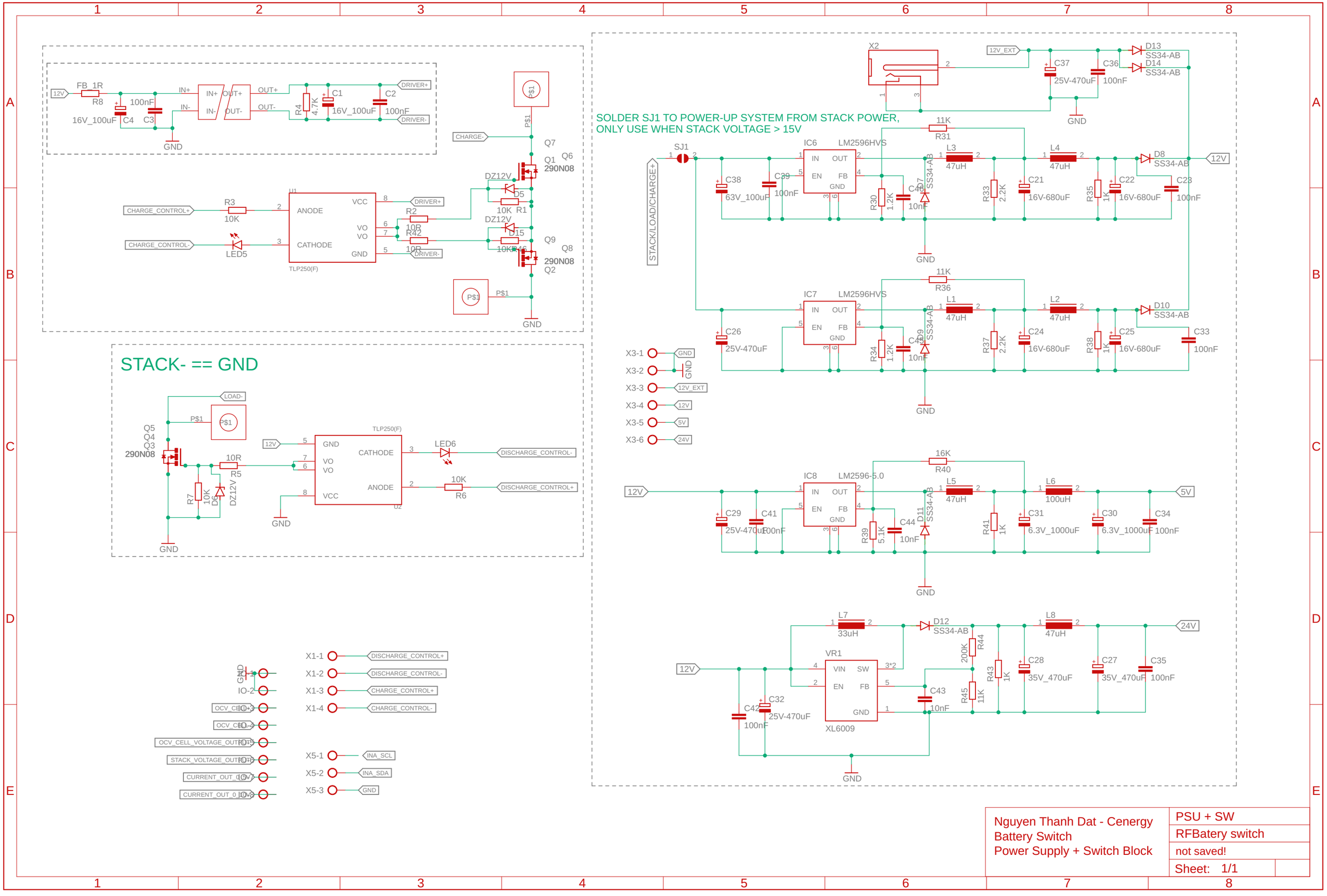



| | |
|---|---|
| Nguyen Thanh Dat - Cenergy<br>Battery Switch<br>Mesurement Block | Mesurement |
| | RFBatery switch |
| | not saved! |
| | Sheet: 1/1 |


SOLDER SJ1 TO POWER-UP SYSTEM FROM STACK POWER,
ONLY USE WHEN STACK VOLTAGE > 15V
STACK- == GND
12V
FB_1R
R8
100nF
16V_100uF
C4
C3
GND
IN+
IN-
OUT+
OUT-
R4
4.7K
C1
16V_100uF
C2
100nF
DRIVER+
DRIVER-
CHARGE-
Q7
Q1
Q6
290N08
DZ12V
D5
10K
R1
CHARGE_CONTROL+
CHARGE_CONTROL-
R3
10K
LED5
U1
ANODE
CATHODE
VCC
VO
GND
TLP250(F)
R2
10R
R42
10R
Q9
Q8
290N08
Q2
P$1
LOAD-
Q5
Q4
Q3
290N08
R7
10K
D6
DZ12V
R5
10R
LED6
DISCHARGE_CONTROL-
DISCHARGE_CONTROL+
R6
10K
U2
X1-1
X1-2
X1-3
X1-4
X5-1
X5-2
X5-3
INA_SCL
INA_SDA
IO-2
OCV_CELL_VOLTAGE_OUT
STACK_VOLTAGE_OUT
CURRENT_OUT_0
X2
12V_EXT
C37
25V-470uF
C36
100nF
D13
SS34-AB
D14
SS34-AB
SJ1
STACK/LOAD/CHARGE+
IC6
LM2596HVS
IN
OUT
EN
FB
C38
63V_100uF
C39
100nF
R31
11K
L3
47uH
L4
47uH
D8
SS34-AB
C21
16V-680uF
C22
16V-680uF
C23
100nF
R30
1.2K
C40
10nF
D7
SS34-AB
R33
2.2K
R35
1K
IC7
LM2596HVS
R36
11K
L1
47uH
L2
47uH
D10
SS34-AB
C26
25V-470uF
C24
16V-680uF
C25
16V-680uF
C33
100nF
R34
1.2K
C41
10nF
D9
SS34-AB
R37
2.2K
R38
1K
X3-1
X3-2
X3-3
X3-4
X3-5
X3-6
5V
24V
IC8
LM2596-5.0
R40
16K
L5
47uH
L6
100uH
C29
25V-470uF
C41
100nF
R39
5.1K
C44
10nF
D11
SS34-AB
R41
1K
C31
6.3V_1000uF
C30
6.3V_1000uF
C34
100nF
L7
33uH
D12
SS34-AB
L8
47uH
VR1
VIN
SW
EN
FB
XL6009
C42
100nF
C32
25V-470uF
C43
10nF
R44
200K
R45
11K
R43
1K
C28
35V_470uF
C27
35V_470uF
C35
100nF
Nguyen Thanh Dat - Cenergy
Battery Switch
Power Supply + Switch Block
PSU + SW
RFBatery switch
not saved!
Sheet: 1/1