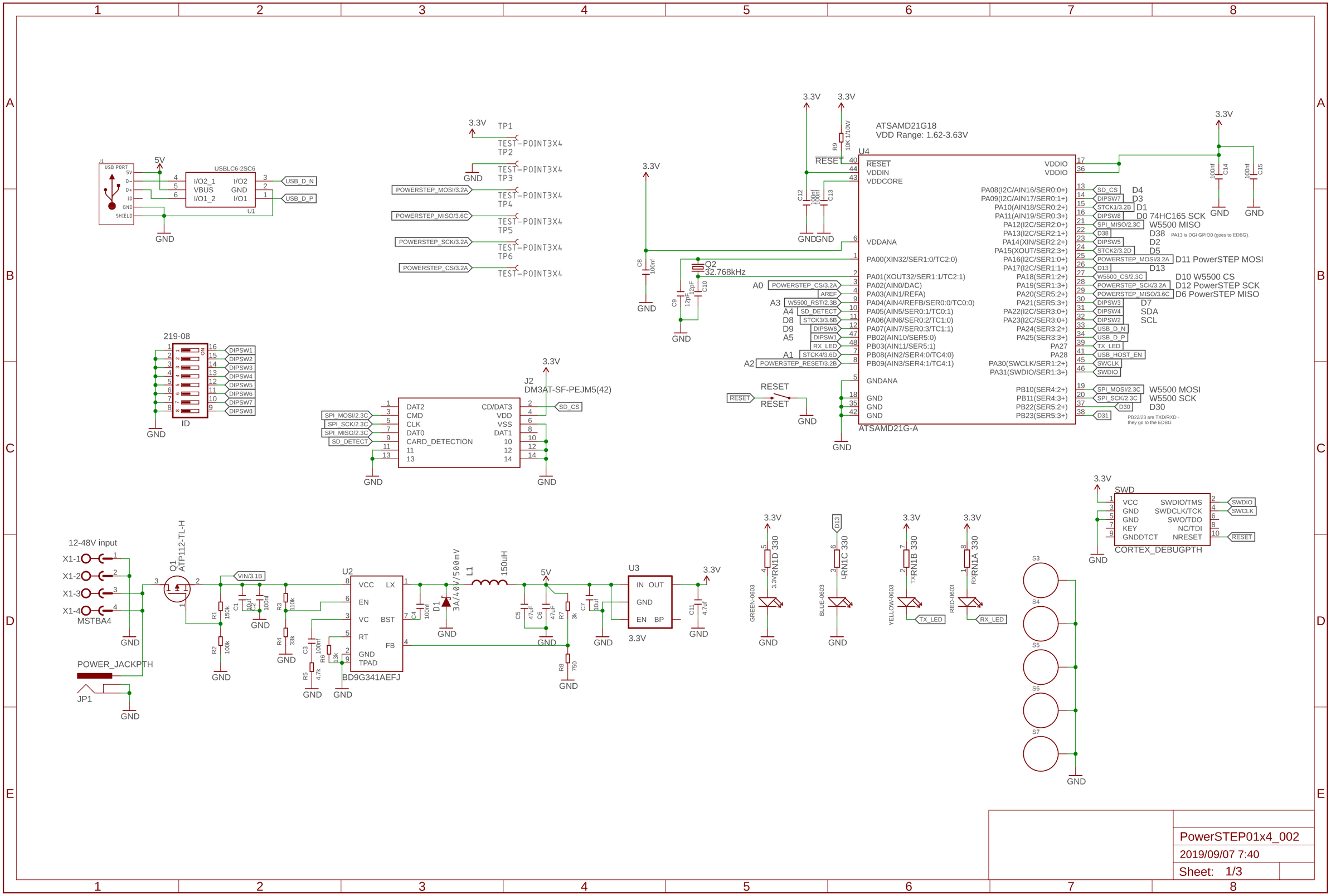
ATSAMD21G18
VDD Range: 1.62-3.63V
ATSAMD21G-A
USBLC6-2SC6
219-08
ID
J2
DM3AT-SF-PEJM5(42)
12-48V input
MSTBA4
POWER_JACKPTH
JP1
Q1
ATP112-TL-H
U2
BD9G341AEFJ
U3
3A/400/500mV
L1
150uH
Q2
32.768kHz
SWD
CORTEX_DEBUGPTH
74HC165 SCK
W5500 MISO
W5500 MOSI
W5500 SCK
D10 W5500 CS
D12 PowerSTEP SCK
D6 PowerSTEP MISO
D11 PowerSTEP MOSI
PowerSTEP01x4_002
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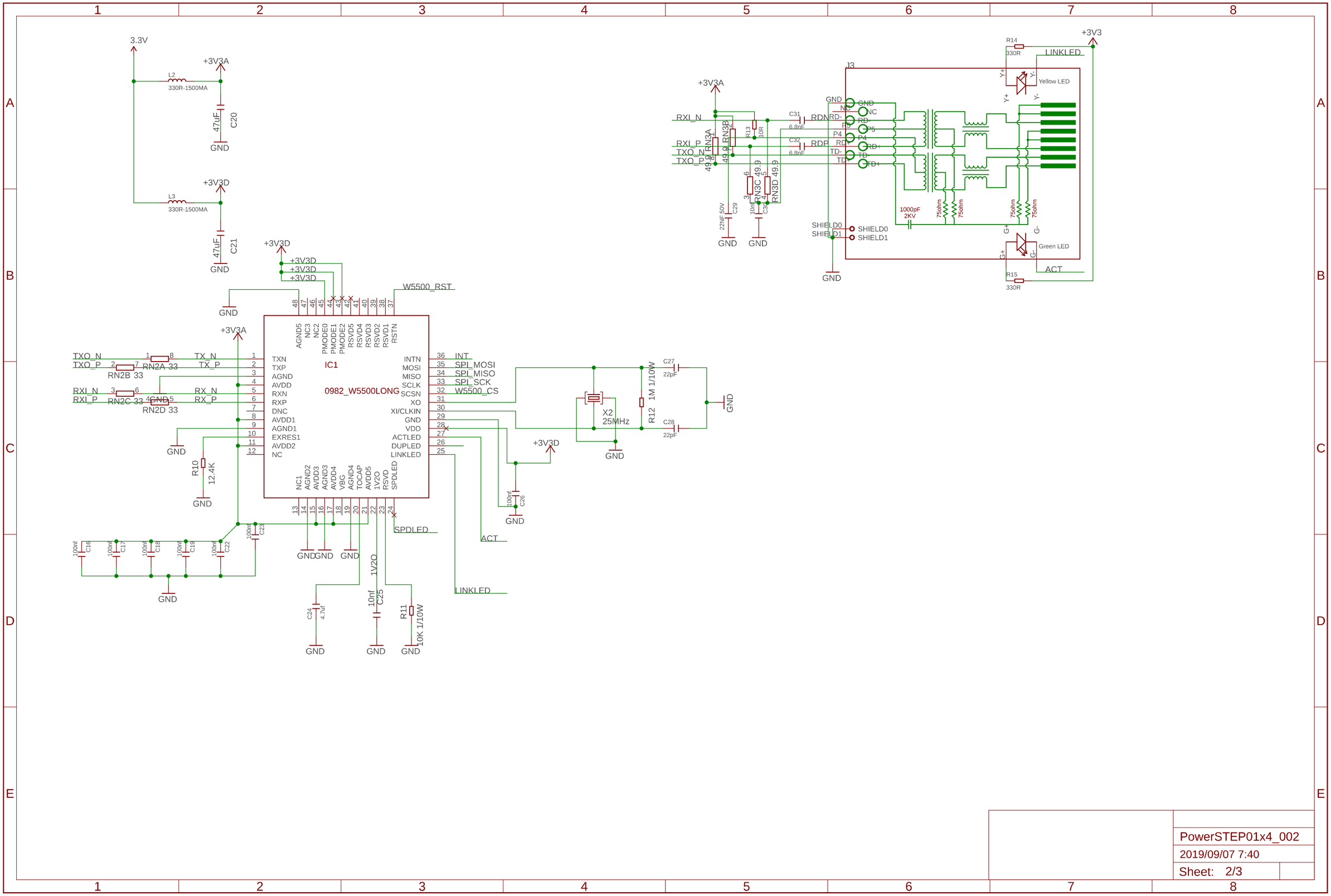
Sheet: 1/3



PowerSTEP01x4_002

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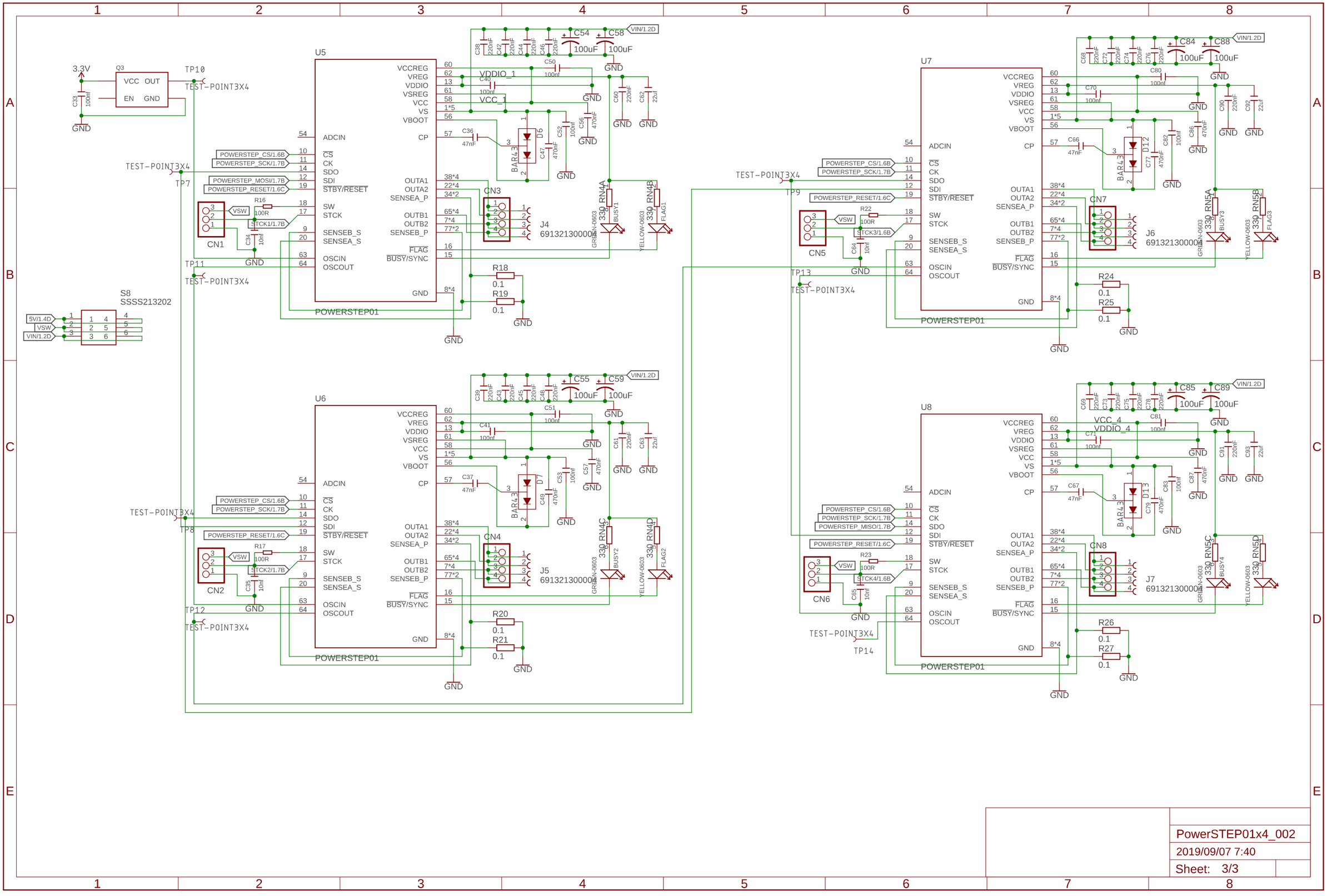
U5
U6
U7
U8
POWERSTEP01
Q3
VCC OUT
EN GND
3.3V
TP10
TP11
TP12
TP13
TP14
TP7
TP8
TP9
TEST-POINT3X4
S8
SSSS213202
5V/1.4D
VSW
VIN/1.2D
CN1
CN2
CN3
CN4
CN5
CN6
CN7
CN8
J4
J5
J6
J7
691321300004
POWERSTEP_CS/1.6B
POWERSTEP_SCK/1.7B
POWERSTEP_MOSI/1.7B
POWERSTEP_MISO/1.7B
POWERSTEP_RESET/1.6C
STCK1/1.7B
STCK2/1.7B
STCK3/1.6B
STCK4/1.6B
VDDIO_1
VCC_1
VCC_4
VDDIO_4
GND
BUSY1
FLAG1
BUSY2
FLAG2
BUSY3
FLAG3
BUSY4
FLAG4
BAR43
D6
D7
D12
D13
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
0.1
100R
10nF
47nF
100nF
220nF
470nF
22uF
100uF
330
RN4A
RN4B
RN4C
RN4D
RN5A
RN5B
RN5C
RN5D
GREEN-0603
YELLOW-0603
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