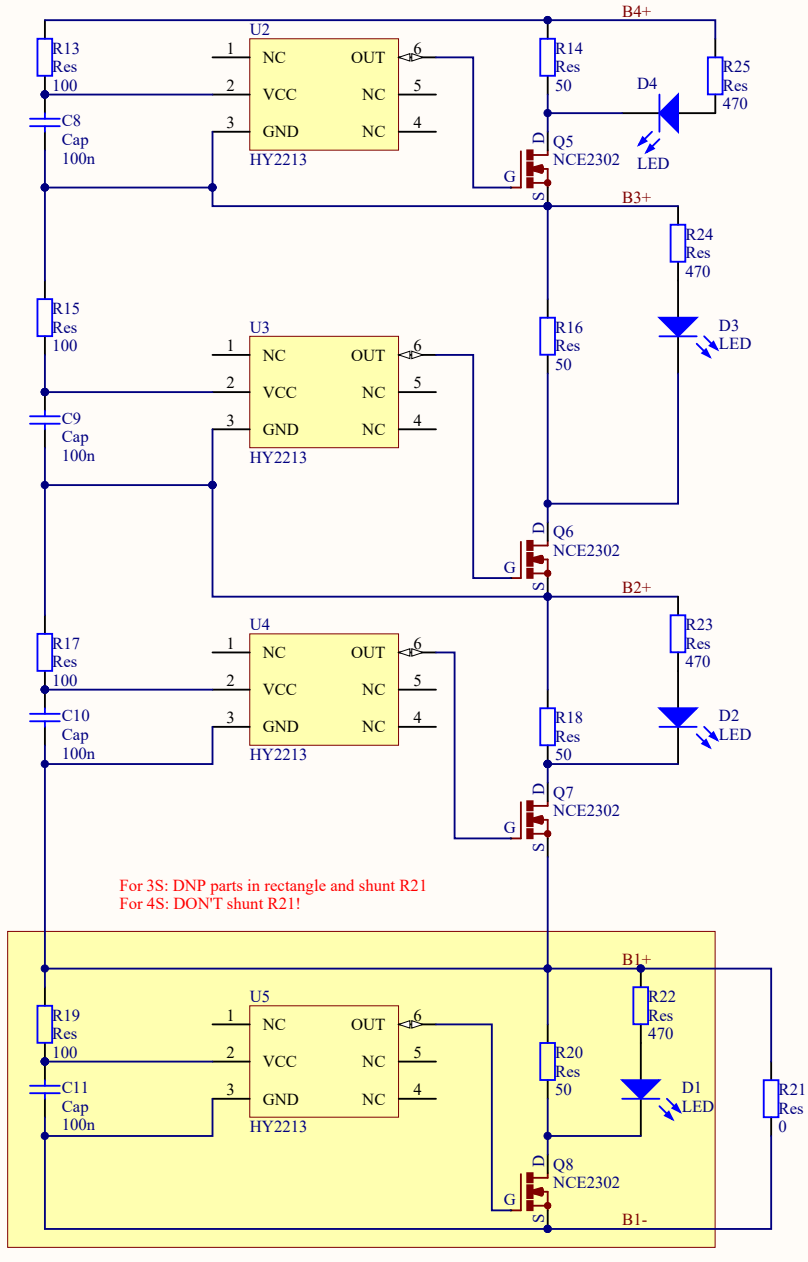
HY2213-BB3A as Passive-Balancing/bleeding
50Ohm Bleeding resistor

https://datasheet.lcsc.com/szlcsc/1811151538_HYCON-Tech-HY2213-BB3A_C113632.pdf



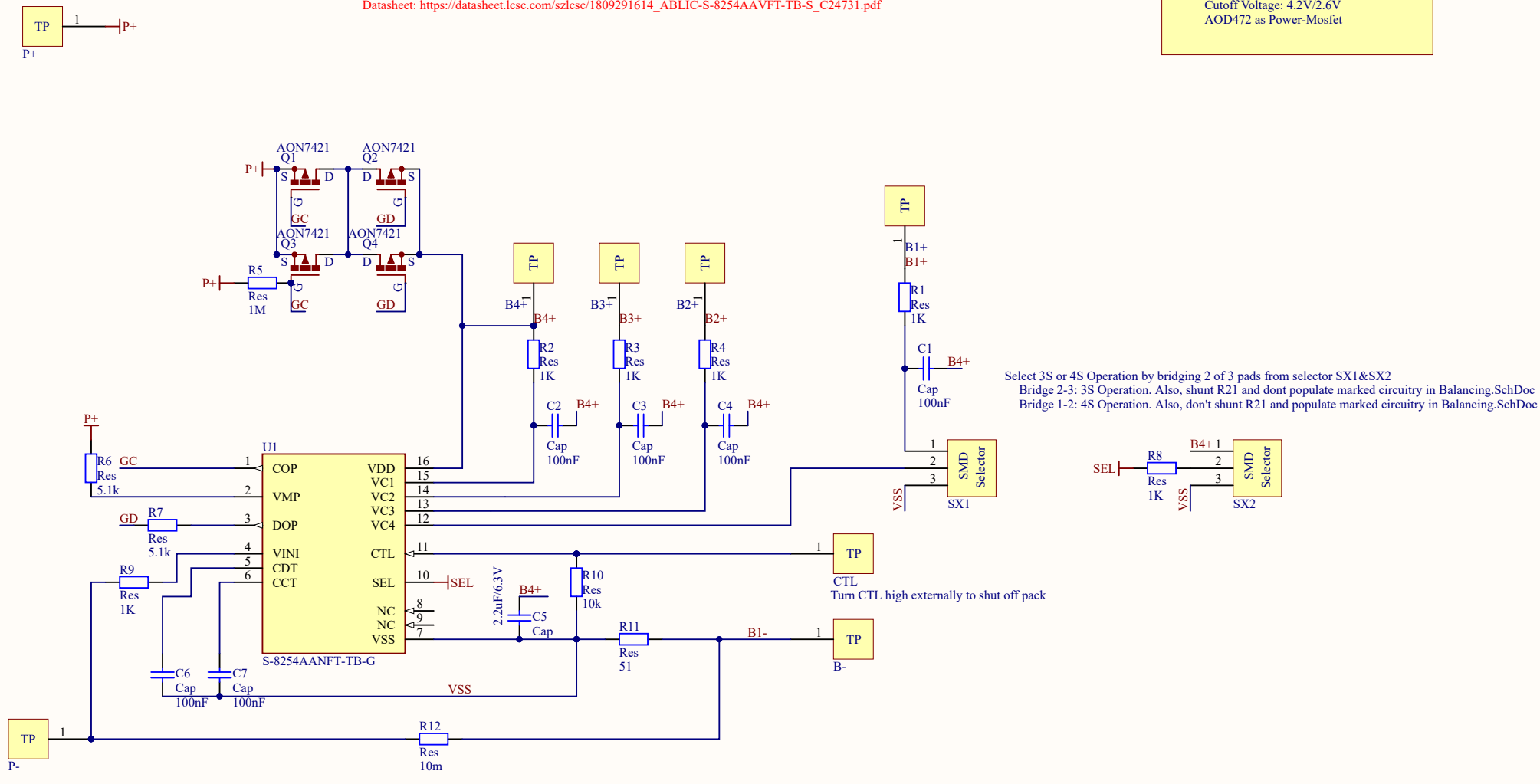
Title		
Size A4	Number	Revision
Date: 17.12.2020		Sheet of
File: E:\ DATEN\..\Bleeding.SchDoc		Drawn By:

S-8254AAVFT-TB-S
Cutoff Voltage: 4.25V/2.7V
AON7421 as Power-Mosfet

Overcurrent Dedection voltage VINI: 200mV
Datasheet: https://datasheet.lcsc.com/szlcsc/1809291614_ABLIC-S-8254AAVFT-TB-S_C24731.pdf

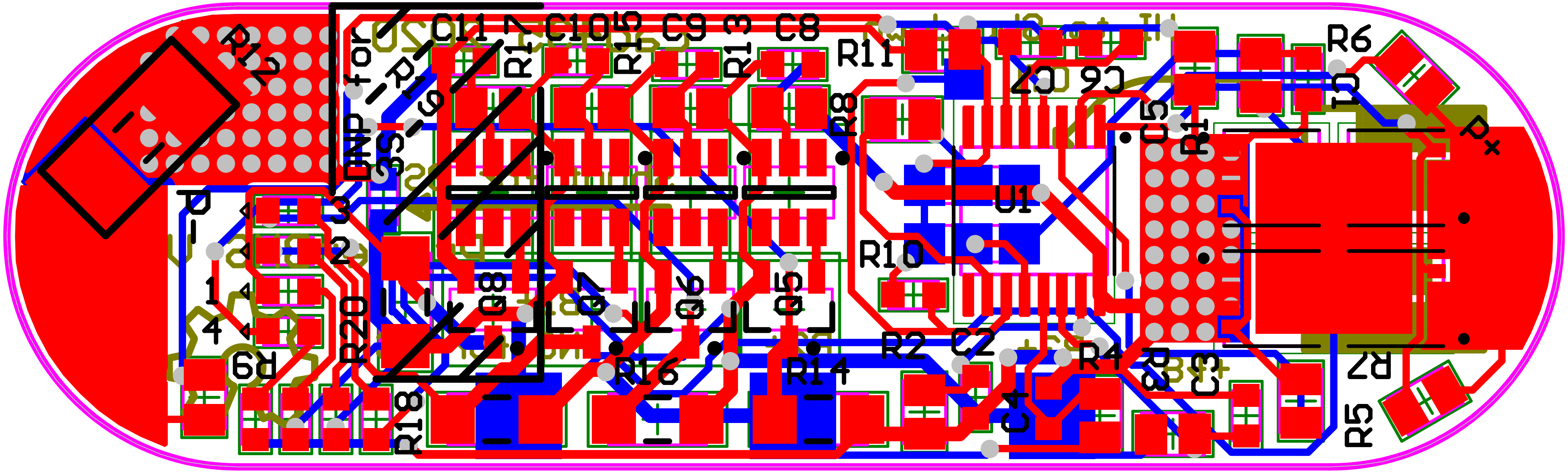
Alternative Setup (Currently unused):

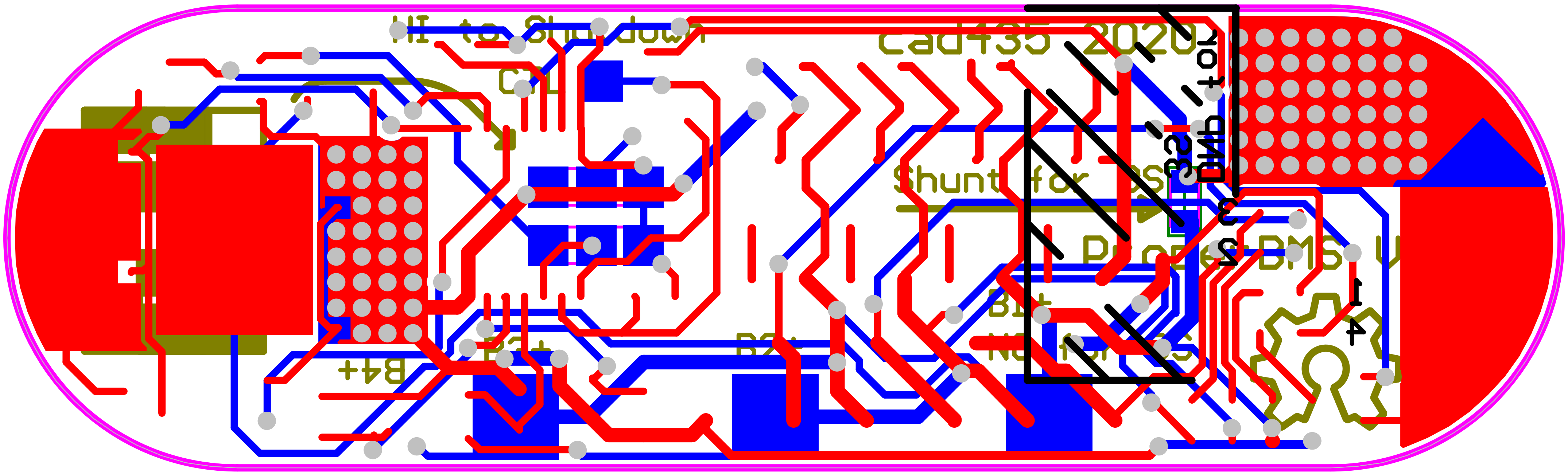
BQ7790500
Cutoff Voltage: 4.2V/2.6V
AOD472 as Power-Mosfet

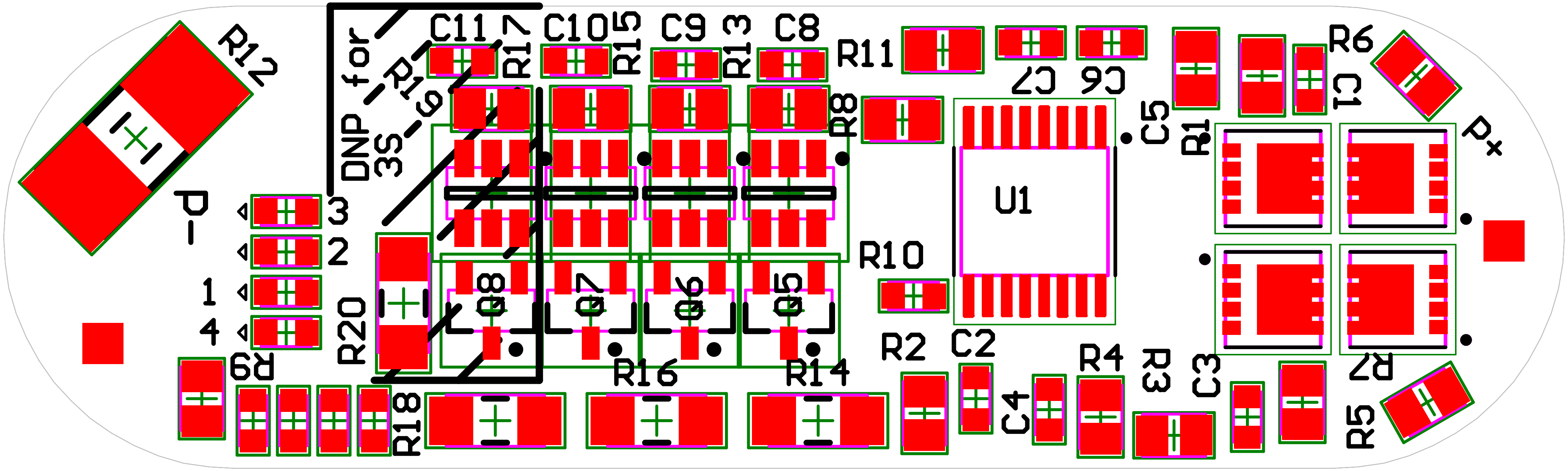


Overcurrent Dedection voltage VINI: 200mV
-->10m for 20A
-->5m for 40A

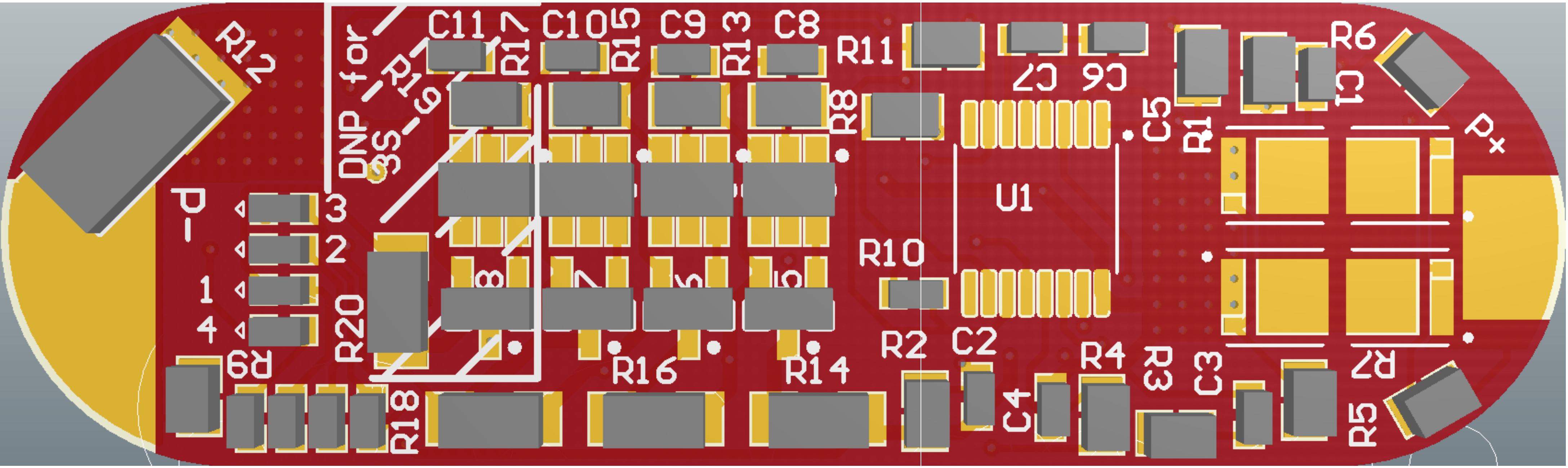
Title		
Size A4	Number	Revision
Date: 17.12.2020		Sheet of
File: E:\ DATEN\..\ProperBMS.SchDoc		Drawn By:


R12
C11
R17
C10
R15
C9
R13
C8
R11
R8
R10
U1
R6
D1
R1
C5
C7
C6
P+
P-
DNP for 3S
R19
Q8
Q7
Q6
Q5
R20
R16
R14
R2
C2
R4
R3
C3
R7
R5
C4
R18
R9
1
2
3
4

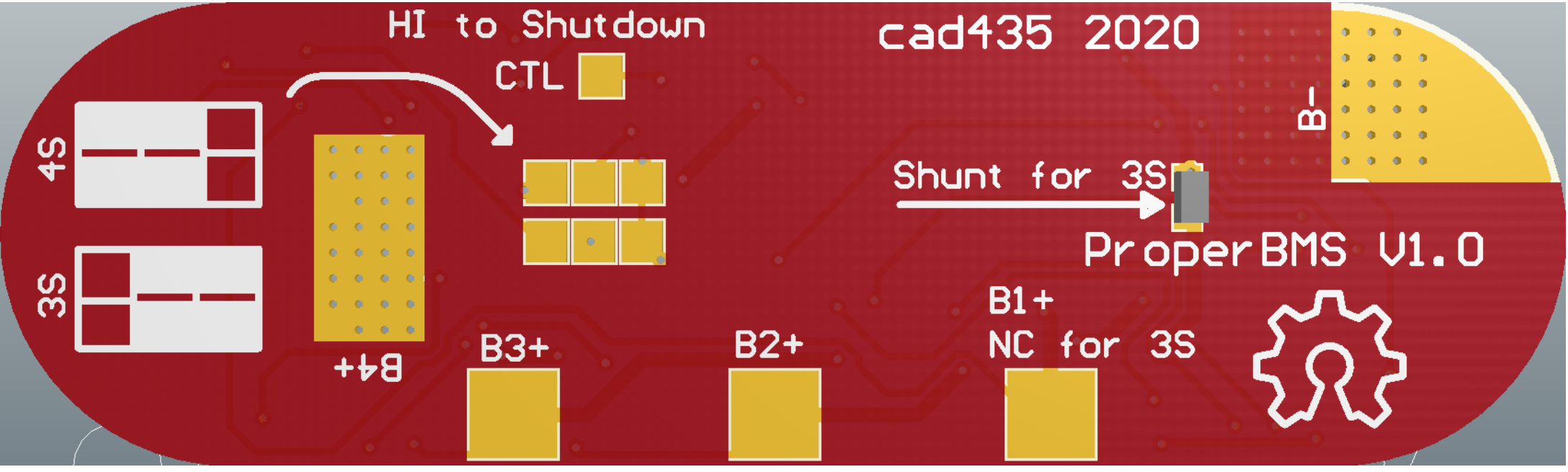

cad435 2020
C1
B1+


R12
P-
DNP for 3S
R19
C11
R17
C10
R15
C9
R13
C8
R11
C7
C6
R6
C1
R1
C5
R8
U1
P+
R10
Q8
Q7
Q6
Q5
R20
R9
R18
R16
R14
R2
C2
C4
R4
R3
C3
R7
R5
1
2
3
4

ca6435 2020
HI to Shutdown
CTL
B-
Shunt for 3S
ProperBMS V1.0
B1+
NC for 3S
B2+
B3+
+B
4S
3S



R12
DNP for 3S - R19
C11
R17
C10
R15
C9
R13
C8
R11
C7
C6
R6
C1
R8
C5
R1
P+
P-
3
2
1
4
R20
U1
R10
R9
R16
R14
R2
C2
R4
R3
C3
R7
C4
R18
R5


HI to Shutdown
CTL
cad435 2020
B-
4S
3S
Shunt for 3S
ProperBMS V1.0
B1+
NC for 3S
B4+
B3+
B2+