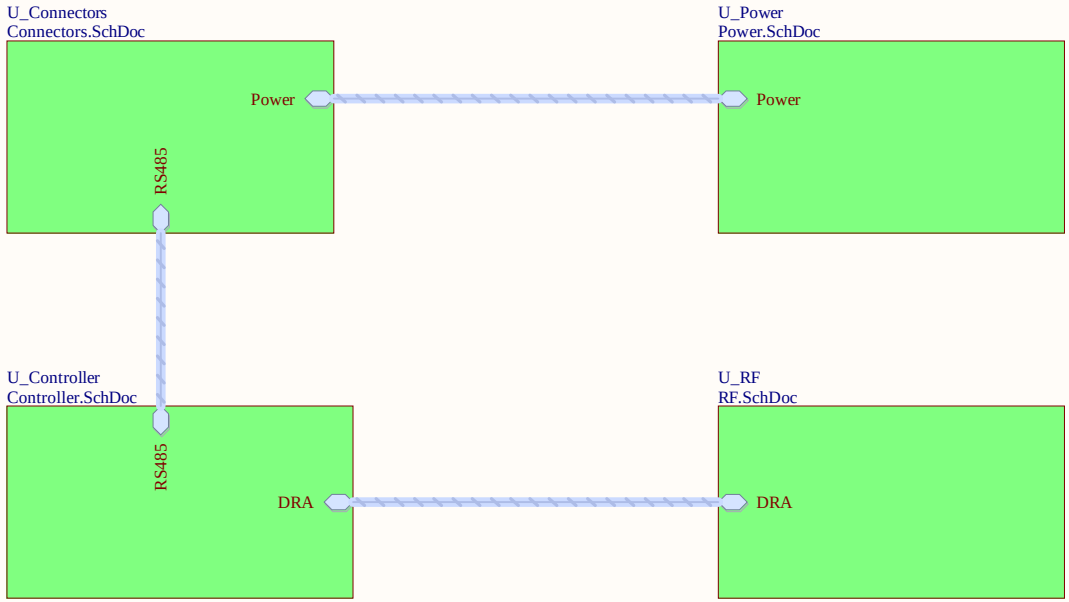

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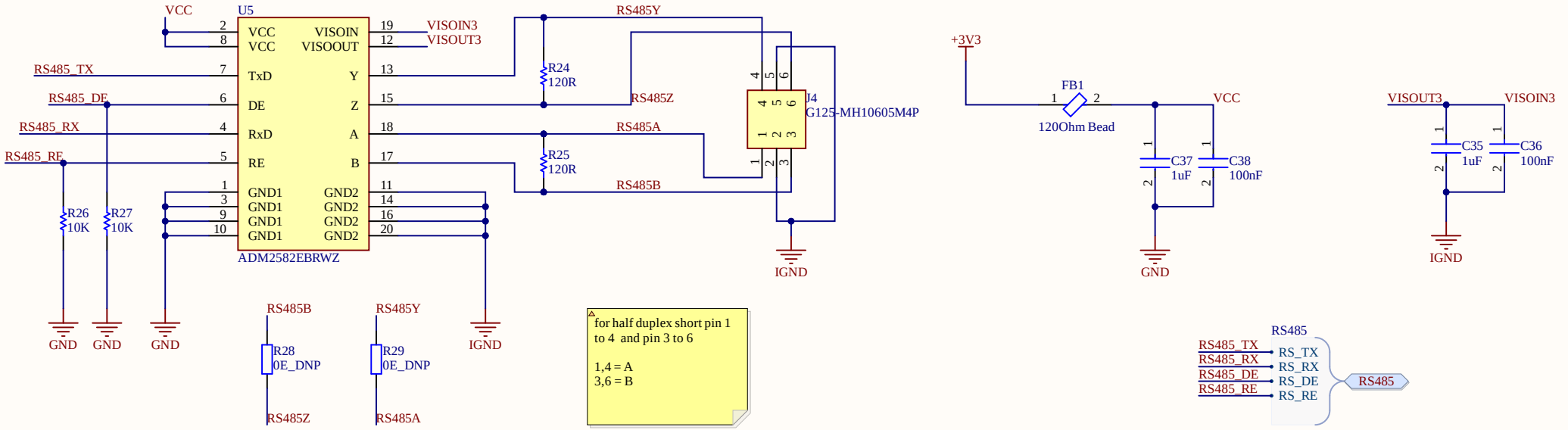
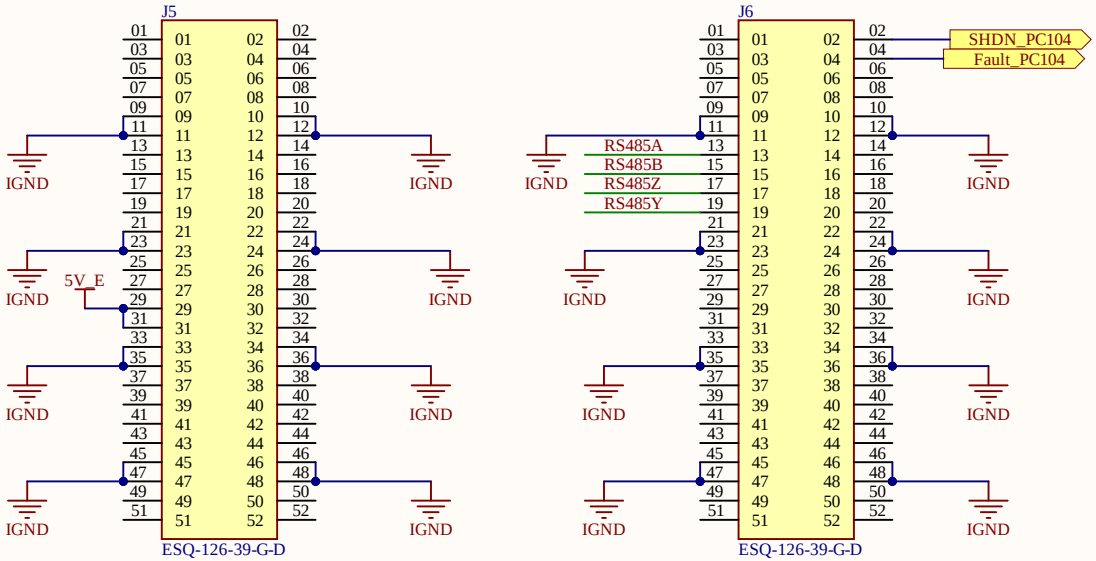
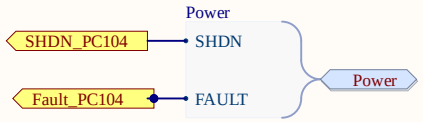


PC104





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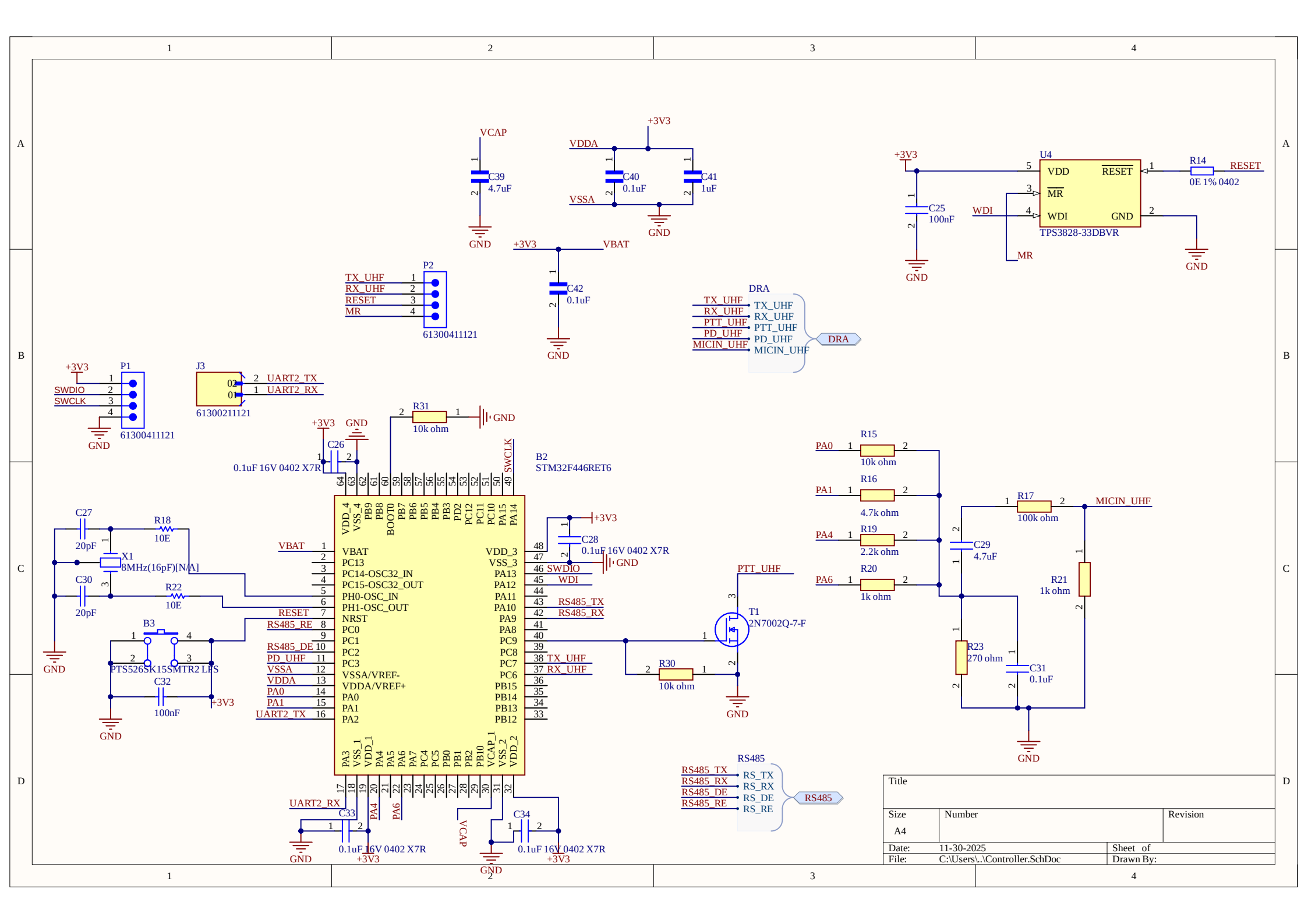
VCAP
C39
4.7uF
GND
VDDA
C40
0.1uF
C41
1uF
VSSA
+3V3
VBAT
C42
0.1uF
P2
TX_UHF
RX_UHF
RESET
MR
61300411121
DRA
PTT_UHF
PD_UHF
MICIN_UHF
U4
VDD
RESET
MR
WDI
GND
TPS3828-33DBVR
R14
0E 1% 0402
C25
100nF
P1
SWDIO
SWCLK
J3
UART2_TX
UART2_RX
61300211121
R31
10k ohm
C26
0.1uF 16V 0402 X7R
B2
STM32F446RET6
VBAT
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
PH0-OSC_IN
PH1-OSC_OUT
NRST
PC0
PC1
PC2
PC3
VSSA/VREF-
VDDA/VREF+
PA0
PA1
PA2
VDD_3
VSS_3
PA13
PA12
PA11
PA10
PA9
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
SWDIO
WDI
RS485_TX
RS485_RX
TX_UHF
RX_UHF
C27
20pF
C30
20pF
X1
8MHz(16pF)[N/A]
R18
10E
R22
10E
B3
PTS526SK15SMTR2 LFS
C32
100nF
RESET
RS485_RE
RS485_DE
PD_UHF
VSSA
VDDA
PA0
PA1
UART2_TX
C28
0.1uF 16V 0402 X7R
T1
2N7002Q-7-F
R30
10k ohm
R15
10k ohm
R16
4.7k ohm
R19
2.2k ohm
R20
1k ohm
R17
100k ohm
MICIN_UHF
C29
4.7uF
R21
1k ohm
R23
270 ohm
C31
0.1uF
RS485
RS485_TX
RS485_RX
RS485_DE
RS485_RE
RS_TX
RS_RX
RS_DE
RS_RE
UART2_RX
C33
0.1uF 16V 0402 X7R
C34
0.1uF 16V 0402 X7R
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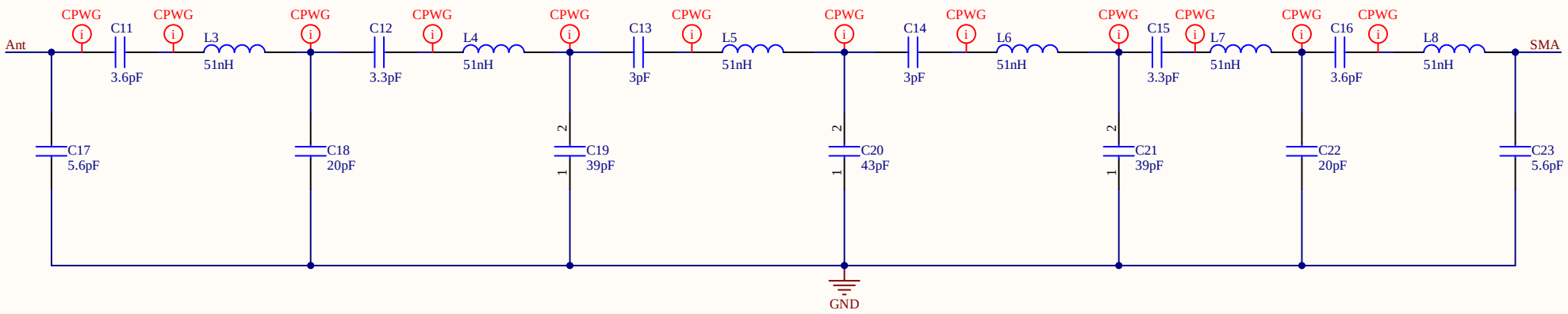

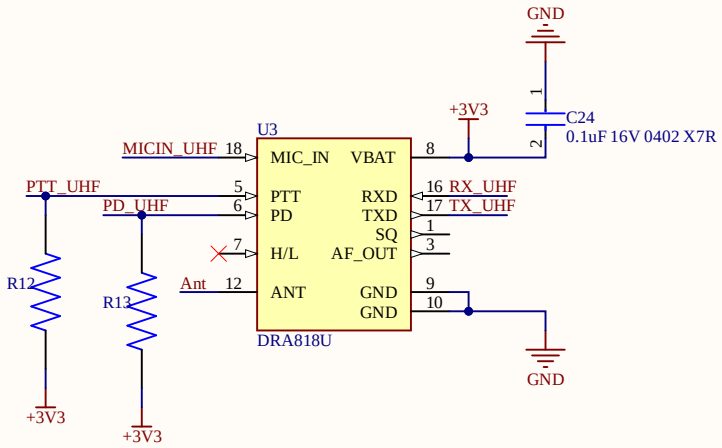

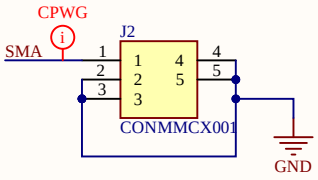

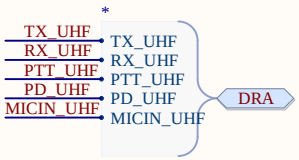

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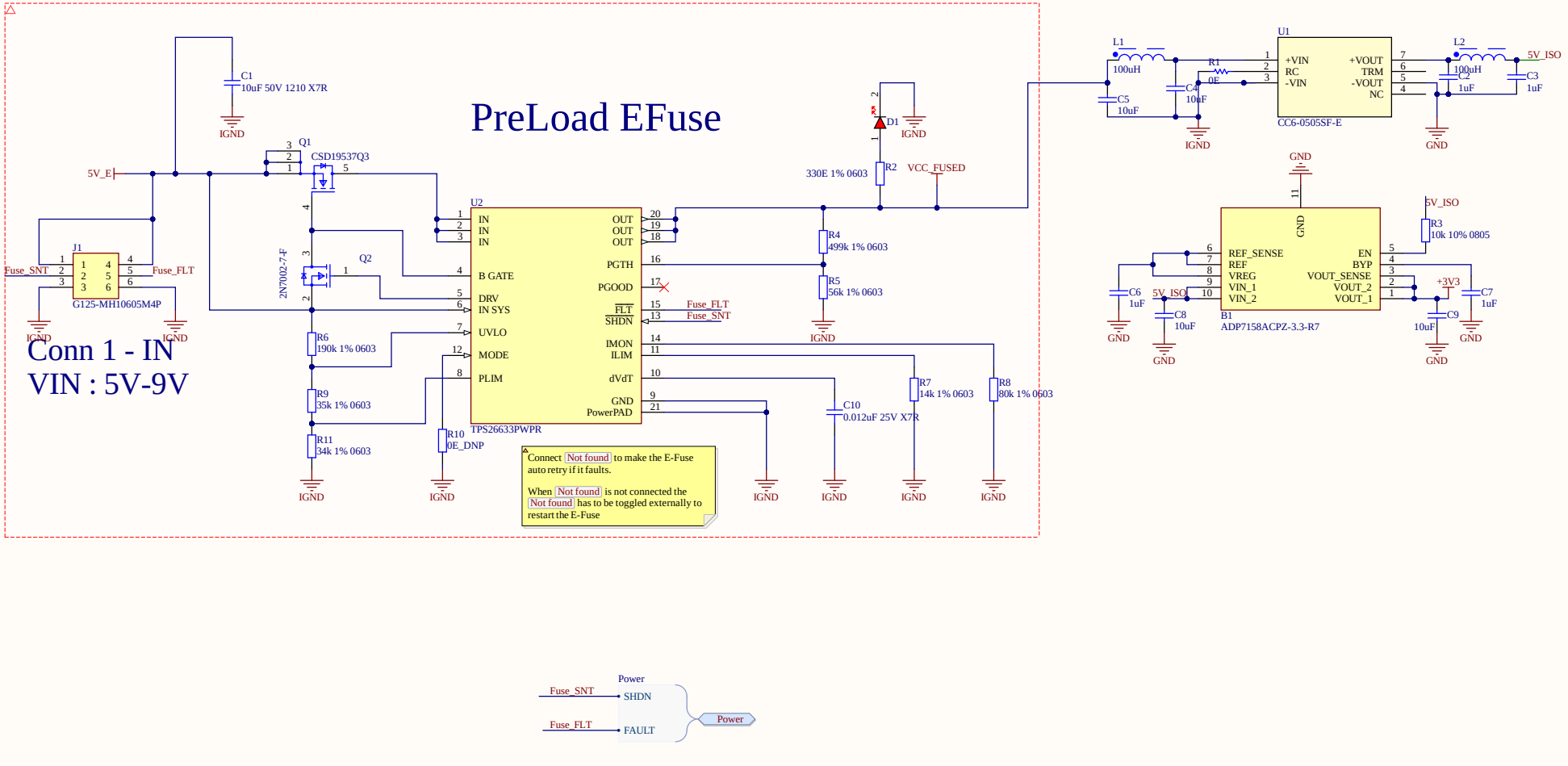

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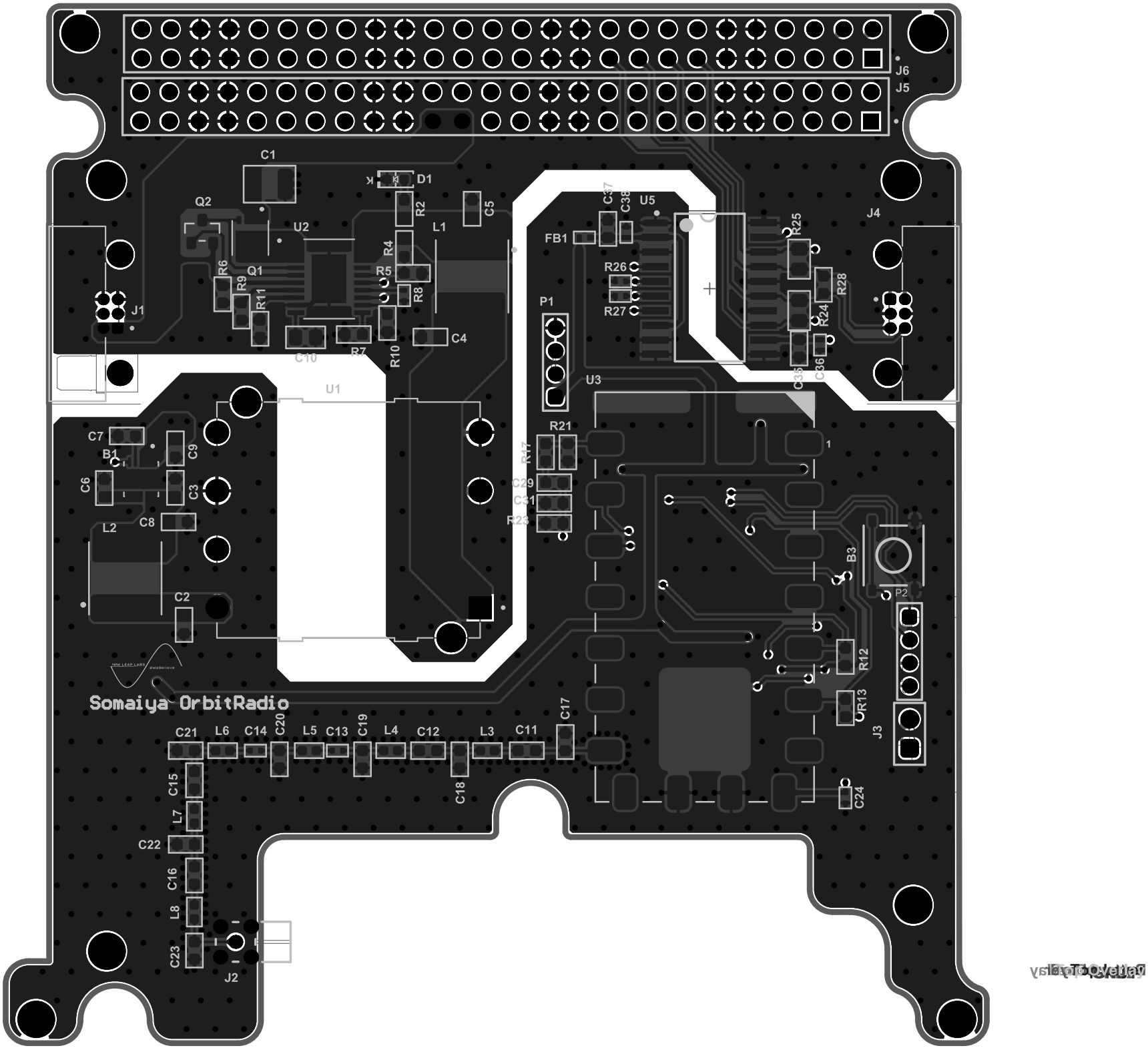
Somaiya OrbitRadio
J6
J5
J4
J1
J2
J3
P1
P2
U1
U2
U3
U5
Q1
Q2
D1
FB1
B1
B3
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C29
C31
C35
C36
C37
C38
L1
L2
L3
L4
L5
L6
L7
L8
R2
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R17
R21
R23
R24
R25
R26
R27
R28