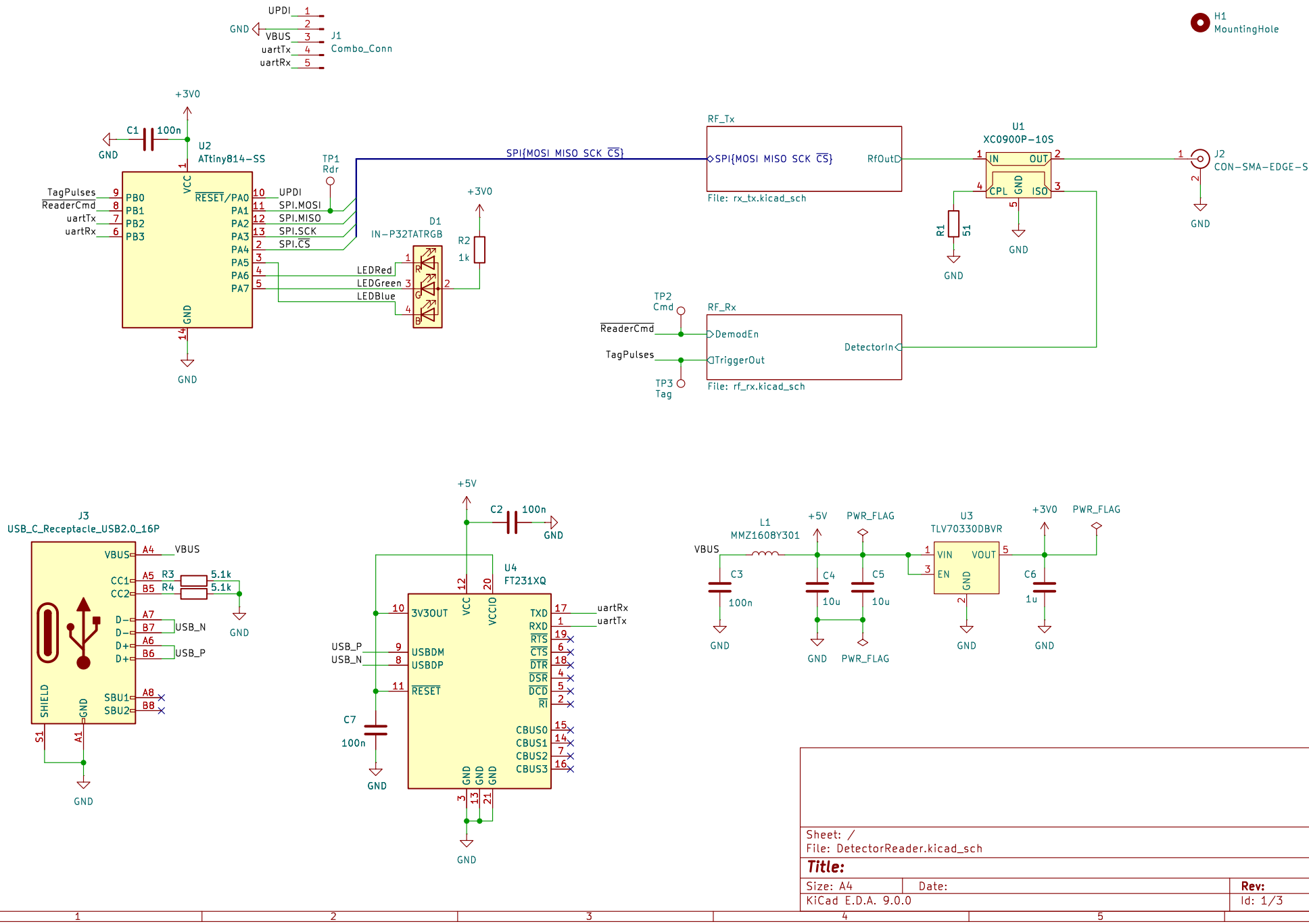

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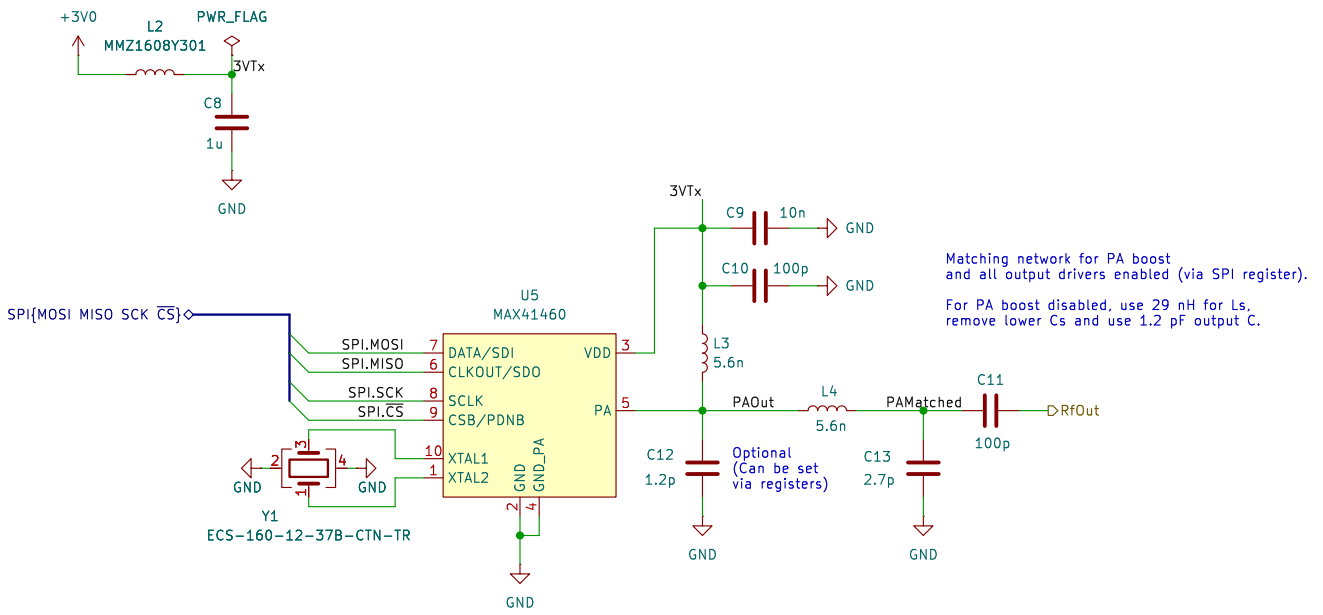
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.0		Id: 1/3



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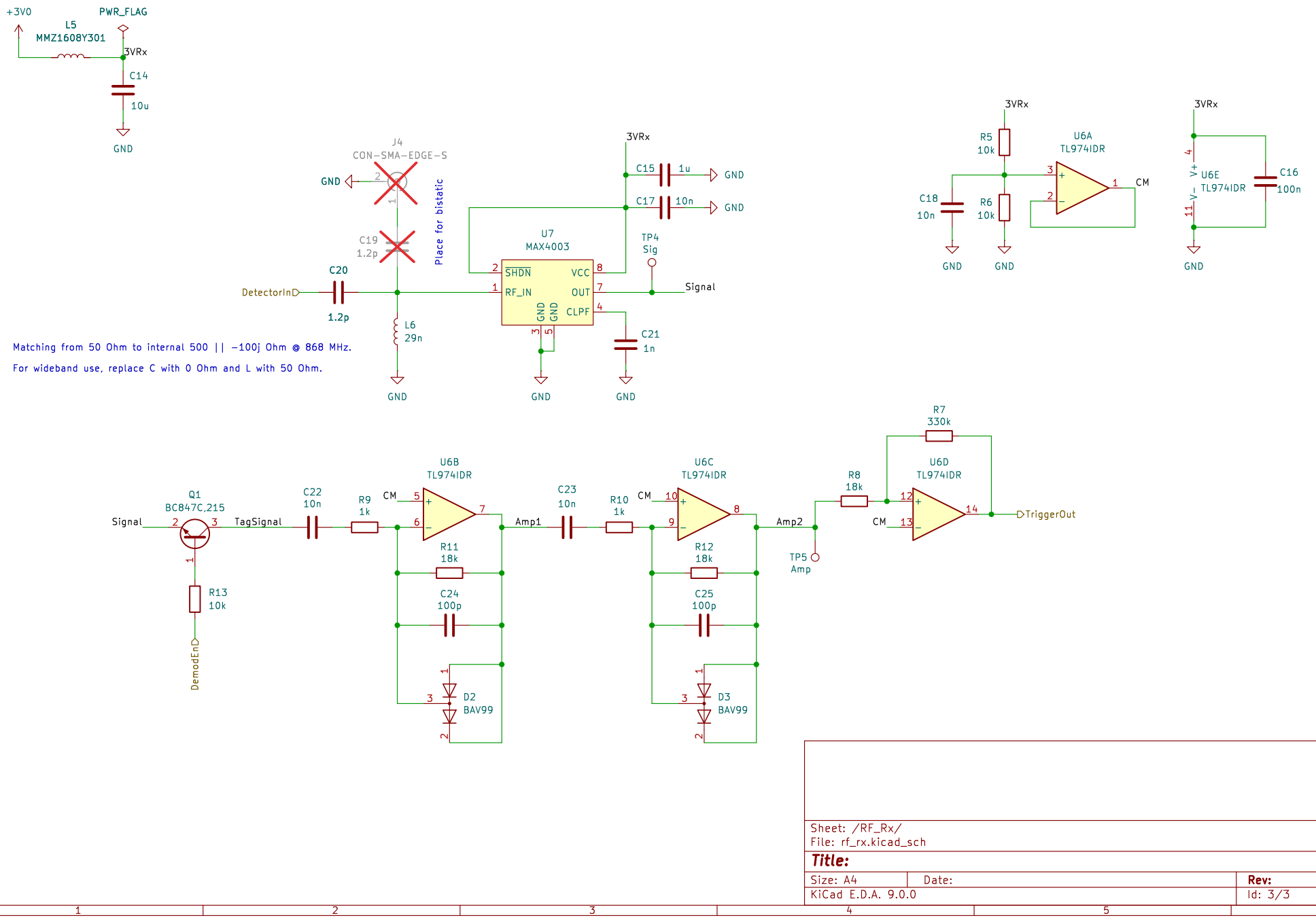
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.0		Id: 2/3


+3V0
PWR_FLAG
L5
MMZ1608Y301
3VRx
C14
10u
GND
J4
CON-SMA-EDGE-S
GND
C19
1.2p
Place for bistatic
C20
1.2p
DetectorIn
L6
29n
GND
3VRx
C15
1u
GND
C17
10n
GND
U7
MAX4003
SHDN
RF_IN
VCC
OUT
CLPF
GND
GND
TP4
Sig
Signal
C21
1n
GND
GND
Matching from 50 Ohm to internal 500 || −100j Ohm @ 868 MHz.
For wideband use, replace C with 0 Ohm and L with 50 Ohm.
3VRx
R5
10k
U6A
TL974IDR
C18
10n
R6
10k
CM
GND
GND
3VRx
U6E
TL974IDR
C16
100n
GND
R7
330k
Q1
BC847C,215
Signal
TagSignal
C22
10n
R9
1k
U6B
TL974IDR
CM
Amp1
C23
10n
R10
1k
U6C
TL974IDR
CM
Amp2
R8
18k
U6D
TL974IDR
CM
TriggerOut
TP5
Amp
R11
18k
C24
100p
D2
BAV99
R12
18k
C25
100p
D3
BAV99
R13
10k
DemodEn
Sheet: /RF_Rx/
File: rf_rx.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.0
Id: 3/3