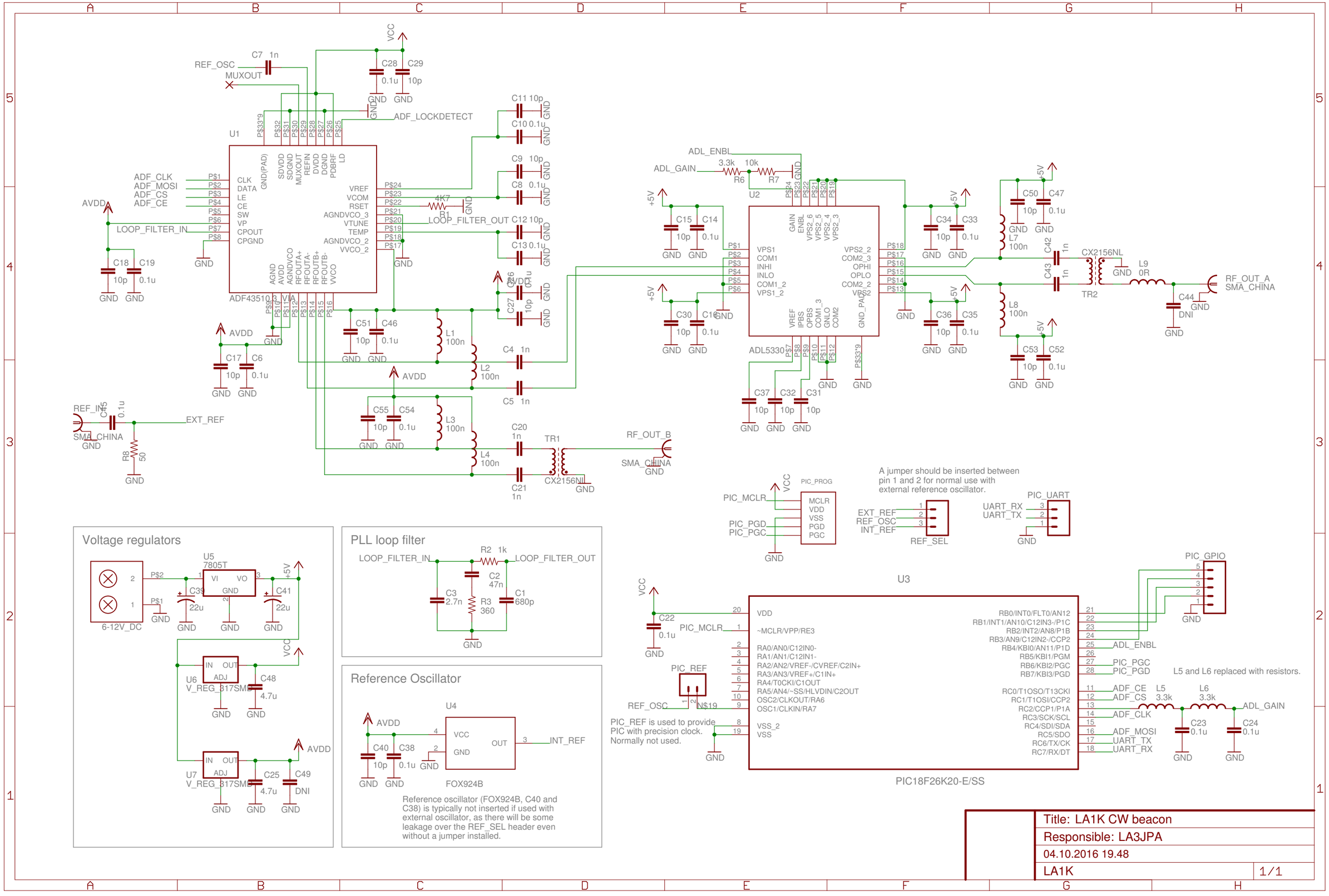
U1
ADF4351
U2
ADL5330
U3
PIC18F26K20-E/SS
U4
FOX924B
U5
7805T
U6
V_REG_317SMD
U7
V_REG_317SMD
TR1
TR2
CX2156NL
RF_OUT_A
SMA_CHINA
RF_OUT_B
REF_IN
EXT_REF
REF_OSC
MUXOUT
ADF_LOCKDETECT
LOOP_FILTER_IN
LOOP_FILTER_OUT
ADF_CLK
ADF_MOSI
ADF_CS
ADF_CE
ADL_ENBL
ADL_GAIN
INT_REF
PIC_MCLR
PIC_PGD
PIC_PGC
PIC_PROG
PIC_UART
UART_RX
UART_TX
PIC_GPIO
PIC_REF
REF_SEL
ADF_CE
ADF_CS
ADF_CLK
ADF_MOSI
L5 3.3k
L6 3.3k
C23 0.1u
C24 0.1u
L7 100n
L8 100n
L9 0R
C44 DNI
A jumper should be inserted between pin 1 and 2 for normal use with external reference oscillator.
PIC_REF is used to provide PIC with precision clock. Normally not used.
L5 and L6 replaced with resistors.
Voltage regulators
6-12V_DC
PLL loop filter
R2 1k
C2 47n
C3 2.7n
R3 360
C1 680p
Reference Oscillator
Reference oscillator (FOX924B, C40 and C38) is typically not inserted if used with external oscillator, as there will be some leakage over the REF_SEL header even without a jumper installed.
Title: LA1K CW beacon
Responsible: LA3JPA
04.10.2016 19.48
LA1K
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