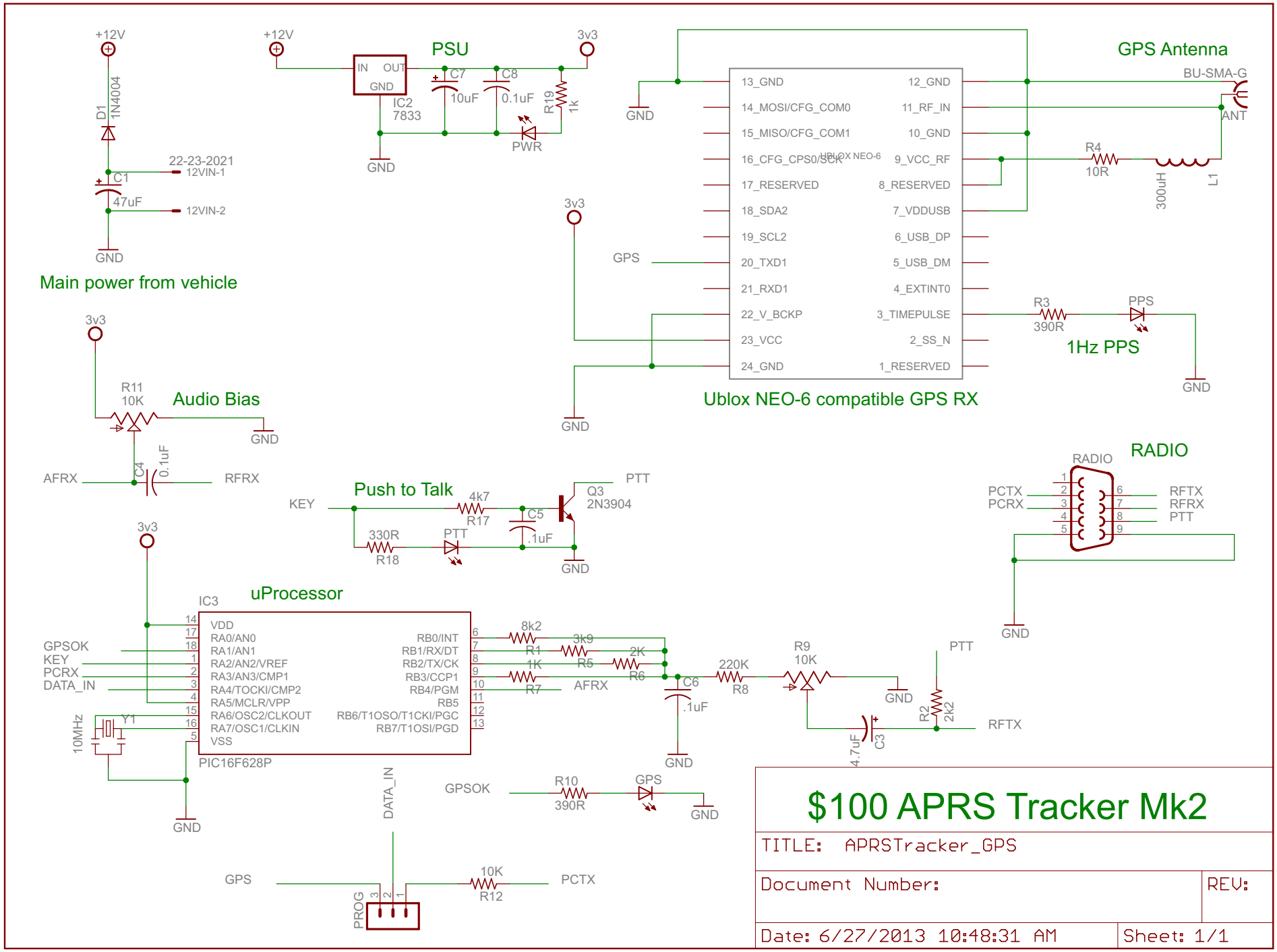
Main power from vehicle
+12V
D1
1N4004
22-23-2021
12VIN-1
C1
47uF
12VIN-2
GND
PSU
IN
OUT
GND
IC2
7833
C7
10uF
C8
0.1uF
3v3
R19
1k
PWR
GPS Antenna
BU-SMA-G
ANT
R4
10R
300uH
L1
Ublox NEO-6 compatible GPS RX
13_GND
14_MOSI/CFG_COM0
15_MISO/CFG_COM1
16_CFG_CPS0/SCK
17_RESERVED
18_SDA2
19_SCL2
20_TXD1
21_RXD1
22_V_BCKP
23_VCC
24_GND
12_GND
11_RF_IN
10_GND
9_VCC_RF
8_RESERVED
7_VDDUSB
6_USB_DP
5_USB_DM
4_EXTINT0
3_TIMEPULSE
2_SS_N
1_RESERVED
GPS
R3
390R
PPS
1Hz PPS
Audio Bias
R11
10K
C4
0.1uF
AFRX
RFRX
Push to Talk
KEY
4k7
R17
C5
.1uF
Q3
2N3904
PTT
330R
R18
RADIO
PCTX
PCRX
RFTX
RFRX
PTT
uProcessor
IC3
VDD
RA0/AN0
RA1/AN1
RA2/AN2/VREF
RA3/AN3/CMP1
RA4/TOCKI/CMP2
RA5/MCLR/VPP
RA6/OSC2/CLKOUT
RA7/OSC1/CLKIN
VSS
RB0/INT
RB1/RX/DT
RB2/TX/CK
RB3/CCP1
RB4/PGM
RB5
RB6/T1OSO/T1CKI/PGC
RB7/T1OSI/PGD
PIC16F628P
GPSOK
KEY
PCRX
DATA_IN
Y1
10MHz
8k2
R1
3k9
R5
2K
R6
1K
R7
AFRX
C6
.1uF
220K
R8
R9
10K
R2
2k2
C3
4.7uF
R10
390R
DATA_IN
PROG
10K
R12
PCTX
$100 APRS Tracker Mk2
TITLE: APRSTracker_GPS
Document Number:
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Date: 6/27/2013 10:48:31 AM
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