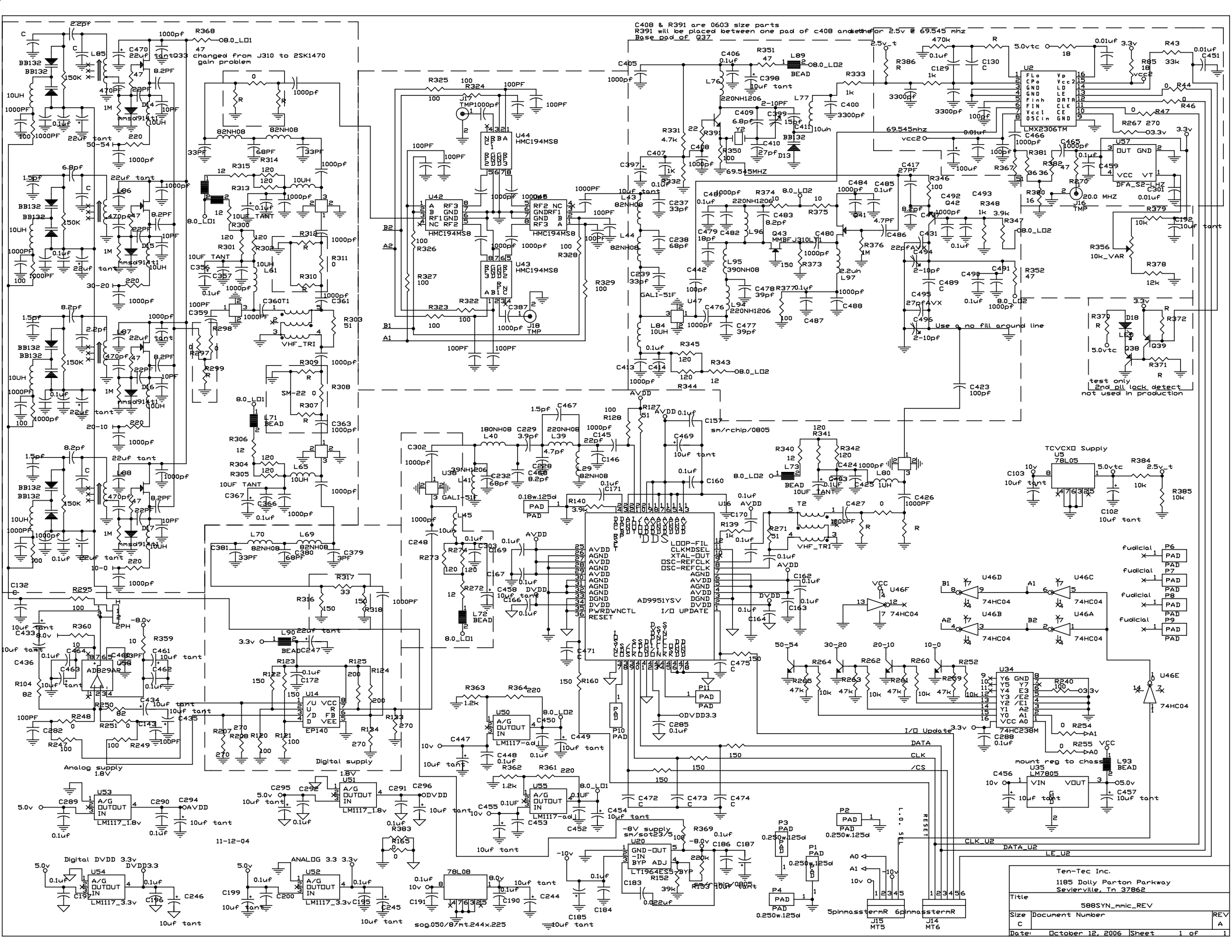
C408 & R391 are 0603 size parts
R391 will be placed between one pad of c408 and the
Base pad of Q37
for 2.5v @ 69.545 mhz
Q33 changed from J310 to 2SK1470
gain problem
VHF_TRI
Use a no fill around line
test only
2nd pll lock detect
not used in production
TCVCXO Supply
78L05
LMX2306TM
69.545mhz
20.0 MHZ
TMP
DFA_S2-LHZ
AD9951YSV
I/O UPDATE
DDS
LOOP-FIL
CLKMDSEL
XTAL-OUT
OSC-REFCLK
OSC-REFCLK
PWRDWNCTL
RESET
HMC194MS8
HMC194MS8
HMC194MS8
GALI-51F
GALI-51F
MMBFJ310LT1
LM1117-ad
LM1117_1.8v
LM1117_3.3v
LM1117_3.3v
LM1117-ad
LM1117-ad
LM1117-ad
LM7805
LT1964ES5
74HC04
74HC04
74HC04
74HC04
74HC04
74HC04
74HC238M
EP140
AD829AR
Analog supply
1.8V
Digital supply
Digital DVDD 3.3v
ANALOG 3.3 3.3v
-8V supply
sm/sot23/5
78L08
sog.050/87mt.244x.225
11-12-04
DATA
CLK
/CS
I/O Update
CLK_U2
DATA_U2
LE_U2
RESET
mount reg to chass
5plnmasstermR
6plnmasstermR
Ten-Tec Inc.
1185 Dolly Parton Parkway
Sevierville, Tn 37862
588SYN_mmic_REV
October 12, 2006
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