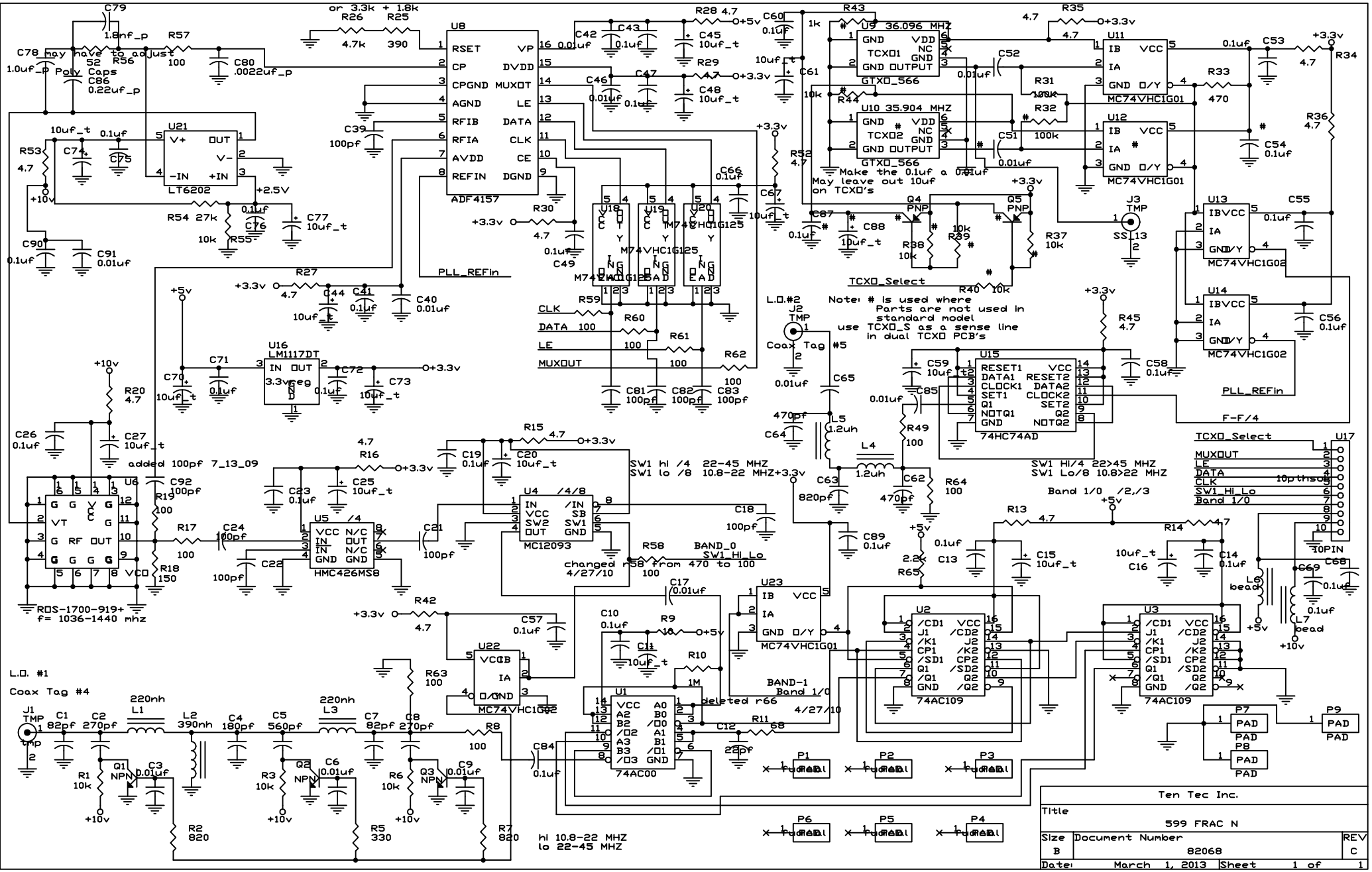
C79
1.8nf_p
R57
C78 may have to adjust
1.0uf_p
52
R56
100
C80
.0022uf_p
Poly Caps
C86
0.22uf_p
or 3.3k + 1.8k
R26
R25
4.7k
390
U8
RSET
CP
CPGND
AGND
RFIB
RFIA
AVDD
REFIN
VP
DVDD
MUXOUT
LE
DATA
CLK
CE
DGND
ADF4157
C42
C43
0.1uf
R28 4.7
+5v
C45
10uf_t
R29
4.7
+3.3v
C48
10uf_t
C46
0.01uf
C47
0.1uf
C39
100pf
C60
0.1uf
10uf_t
C61
R43
1k
U9 36.096 MHZ
GND
TCXO1
GND OUTPUT
VDD
NC
GND
GTXO_566
R44
10k
U10 35.904 MHZ
TCXO2
GTXO_566
Make the 0.1uf a 0.01uf
May leave out 10uf
on TCXO's
C52
0.01uf
C51
0.01uf
R35
4.7
+3.3v
U11
U12
IB
IA
VCC
GND O/Y
MC74VHC1G01
R31
100k
R32
100k
R33
470
R34
4.7
R36
4.7
C53
0.1uf
C54
0.1uf
C55
0.1uf
U13
U14
IBVCC
GND O/Y
MC74VHC1G02
C56
0.1uf
C58
0.1uf
PLL_REFin
F-F/4
J3
TMP
SSL13
R52
4.7
+3.3v
R30
4.7
0.1uf
C49
C66
0.1uf
C67
10uf_t
U18
U19
U20
M74VHC1G125
C87
0.1uf
C88
10uf_t
Q4
PNP
Q5
PNP
R38
10k
R39
10k
R37
10k
R40
10k
TCXO_Select
Note: # is used where
Parts are not used in
standard model
use TCXO_S as a sense line
in dual TCXO PCB's
L.O.#2
J2
TMP
Coax Tag #5
C65
0.01uf
470pf
C64
L5
1.2uh
L4
1.2uh
C63
820pf
C62
470pf
R64
100
R45
4.7
U15
RESET1
DATA1
CLOCK1
SET1
Q1
NOTQ1
GND
VCC
RESET2
DATA2
CLOCK2
SET2
Q2
NOTQ2
74HC74AD
C59
10uf_t
C85
0.01uf
R49
100
SW1 HI/4 22>45 MHZ
SW1 Lo/8 10.8>22 MHZ
Band 1/0 /2,/3
TCXO_Select
MUXOUT
LE
DATA
CLK
SW1_Hi_Lo
Band 1/0
10pthsub
10PIN
U17
R27
4.7
+3.3v
C44
10uf_t
C41
0.1uf
C40
0.01uf
+5v
U16
LM1117DT
IN OUT
3.3v Reg
GND
C70
10uf_t
C71
0.1uf
C72
0.1uf
C73
10uf_t
+3.3v
CLK
DATA 100
LE
MUXOUT
R59
R60
100
R61
100
R62
100
C81
100pf
C82
100pf
C83
100pf
PLL_REFin
+10v
R20
4.7
C26
0.1uf
C27
10uf_t
added 100pf 7_13_09
U6
C92
100pf
R19
100
R17
100
R18
150
VCC
ROS-1700-919+
f= 1036-1440 mhz
C24
100pf
C22
100pf
U5 /4
VCC N/C
IN OUT
IN N/C
GND GND
HMC426MS8
C21
100pf
R15
4.7
+3.3v
C19
0.1uf
C20
10uf_t
R16
4.7
+3.3v
C23
0.1uf
C25
10uf_t
U4 /4/8
IN /IN
VCC SB
SW2 SW1
OUT GND
MC12093
SW1 hi /4 22-45 MHZ
SW1 lo /8 10.8-22 MHZ+3.3v
C18
100pf
C89
0.1uf
R58
BAND_0
SW1_Hi_Lo
changed r58 from 470 to 100
4/27/10
100
C17
0.01uf
R42
4.7
+3.3v
C57
0.1uf
C10
0.1uf
R9
10
+5v
C11
10uf_t
R10
1M
deleted r66
4/27/10
U22
VCC
IA
GND
MC74VHC1G02
U23
IB
VCC
IA
GND O/Y
MC74VHC1G01
BAND-1
Band 1/0
R63
100
L.O. #1
Coax Tag #4
J1
TMP
tmp
C1
82pf
C2
270pf
L1
220nh
L2
390nh
C4
180pf
C5
560pf
L3
220nh
C7
82pf
C8
270pf
R8
100
Q1
NPN
C3
0.01uf
R1
10k
+10v
R2
820
Q2
NPN
C6
0.01uf
R3
10k
+10v
R5
330
Q3
NPN
C9
0.01uf
R6
10k
+10v
R7
820
hi 10.8-22 MHZ
lo 22-45 MHZ
U1
VCC A0
A2 B0
B2 /O0
/O2 A1
A3 B1
B3 /O1
/O3 GND
74AC00
C84
0.1uf
R11
68
C12
22pf
U2
U3
/CD1 VCC
J1 /CD2
/K1 J2
CP1 /K2
/SD1 CP2
Q1 /SD2
/Q1 Q2
GND /Q2
74AC109
R13
4.7
R14
4.7
C13
0.1uf
C15
10uf_t
C16
10uf_t
C14
0.1uf
R65
2.2k
L6
bead
L7
bead
C69
0.1uf
C68
0.1uf
P1
P2
P3
P4
P5
P6
P7
P8
P9
PAD
Ten Tec Inc.
Title
599 FRAC N
Size
B
Document Number
82068
REV
C
Date:
March 1, 2013
Sheet
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