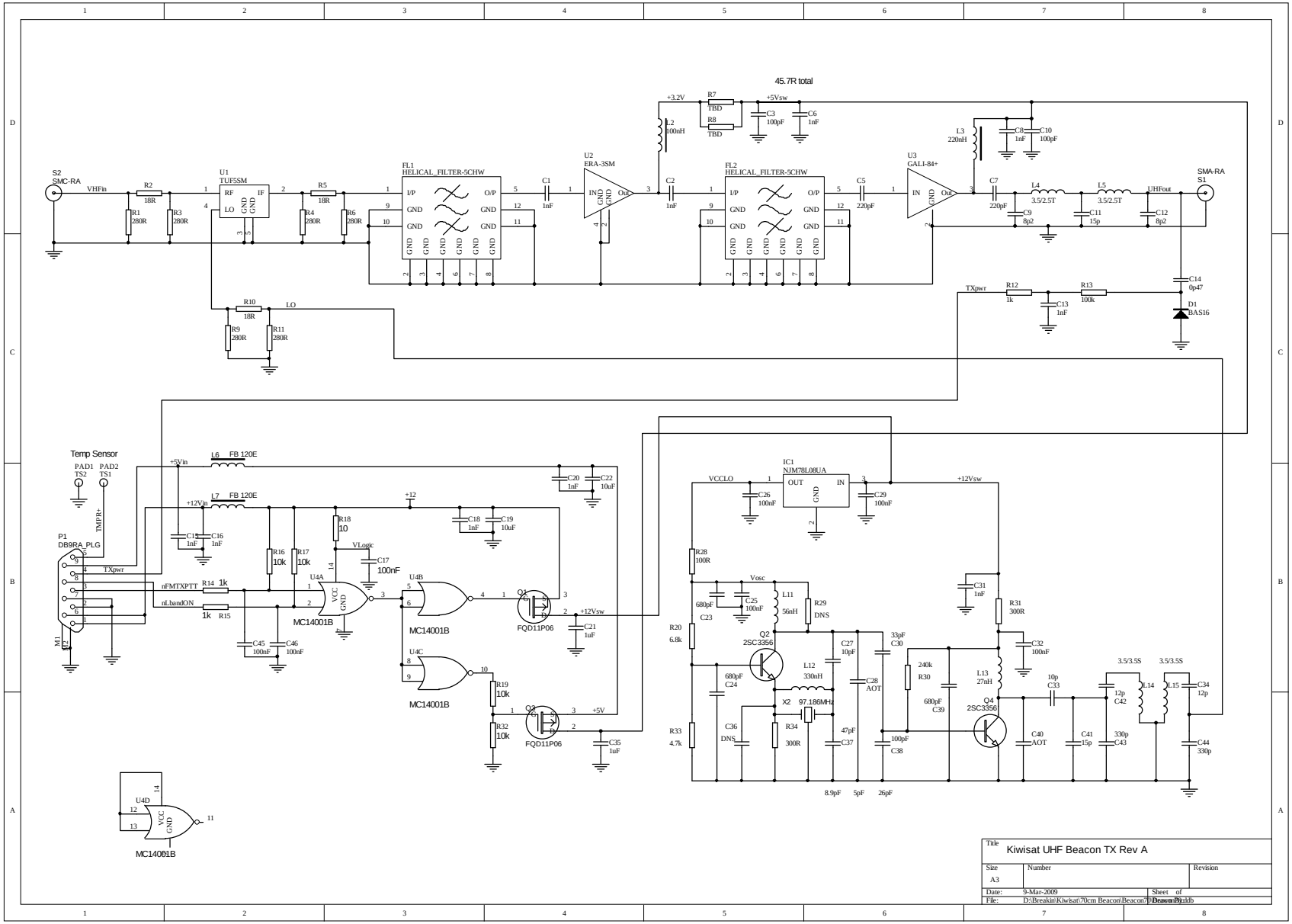
45.7R total
S2
SMC-RA
VHFin
R2
18R
R1
280R
R3
280R
U1
TUF5SM
RF
IF
LO
GND
R5
18R
R4
280R
R6
280R
FL1
HELICAL_FILTER-5CHW
I/P
O/P
GND
C1
1nF
U2
ERA-3SM
IN
Out
+3.2V
R7
TBD
R8
TBD
+5Vsw
C3
100pF
C6
1nF
L2
100nH
C2
1nF
FL2
HELICAL_FILTER-5CHW
C5
220pF
U3
GALI-84+
L3
220nH
C8
1nF
C10
100pF
C7
220pF
L4
3.5/2.5T
L5
3.5/2.5T
C9
8p2
C11
15p
C12
8p2
UHFout
SMA-RA
S1
C14
0p47
D1
BAS16
TXpwr
R12
1k
R13
100k
C13
1nF
R10
18R
LO
R9
280R
R11
280R
Temp Sensor
PAD1
TS2
PAD2
TS1
TMPR+
P1
DB9RA_PLG
TXpwr
nFMTXPTT
nLbandON
R14
1k
R15
1k
+5Vin
L6
FB 120E
+12Vin
L7
FB 120E
C15
1nF
C16
1nF
R16
10k
R17
10k
R18
10
VLogic
C17
100nF
C45
100nF
C46
100nF
U4A
MC14001B
+12
C18
1nF
C19
10uF
C20
1nF
C22
10uF
U4B
MC14001B
U4C
MC14001B
Q1
FQD11P06
+12Vsw
C21
1uF
R19
10k
R32
10k
Q3
FQD11P06
+5V
C35
1uF
U4D
MC14001B
IC1
NJM78L08UA
OUT
IN
GND
VCCLO
C26
100nF
C29
100nF
+12Vsw
R28
100R
Vosc
C25
100nF
680pF
C23
L11
56nH
R29
DNS
R20
6.8k
Q2
2SC3356
C27
10pF
33pF
C30
C31
1nF
R31
300R
C32
100nF
L12
330nH
C28
AOT
240k
R30
L13
27nH
10p
C33
3.5/3.5S
L14
L15
C34
12p
680pF
C24
X2
97.186MHz
680pF
C39
Q4
2SC3356
12p
C42
R33
4.7k
C36
DNS
R34
300R
47pF
C37
100pF
C38
C40
AOT
C41
15p
330p
C43
C44
330p
8.9pF
5pF
26pF
Title
Kiwisat UHF Beacon TX Rev A
Size
A3
Number
Revision
Date:
9-Mar-2009
Sheet of
File:
D:\Breakin\Kiwisat\70cm Beacon\Beacon70cm.Drawing.Pcbdb
Drawn By: